

Review Literature

1] Herbert Schildt(1986),this book is titled as “A Beginner's Guide, Eight Edition, 8th Edition”. This book covers topics like the basics and advanced features of Java. It also includes multithreading programming, Swings etc. Exception Handling dealt with run time errors which are very well explained in the books. Applets and event Handling concepts are very well covered. This book helps in developing all the skills related to basic programming. Every topic is covered with good examples. Object oriented features are very well explained. The main objective of this book is to cover the concepts like class, object, encapsulation, data abstraction, polymorphism e.tc. (pg 543-688)

2] Willaim Grosso(Author) (2002), this book is entitled as “ Java RMI 29 October 2002 by Willaim Grosso(2002)” . This book is based on distributed Java or Enterprise JavaBeans, Remote Method Invocation (RMI). Java programming use RMI for distributed applications with little time. When networking across a LAN or the Internet, Remote Method Invocation provides Java programmers with a solution to Networking problems. Java RMI helps in designing and implementing applications that use (RMI) Remote Method Invocation. Experts can get experience for constructing enterprise and distributed systems. The book provides strategies for Threading , Serialization, Sockets ,The RMI registry, and Activation, socket factories, Dynamic class downloading, Distributed garbage collection and JNDI. (pg 64-320)

3] James Rumbaugh, Ivar Jacobson, Grady Booch(Author)(2005), this paper is titles as “Unified Modeling Language Reference Manual Third Edition “ Giving overview of the UML, this book explains the application of the UML to modeling problems across different application domains. This book shows example driven examples. The software engineering design made easier with Unified Modeling language. Software design helps in easier software coding. The diagrams like use case, Activity, collaboration, sequence, Interaction etc. are made easier with the views given in this book. (pg 1-124)

4] Noor Azian Mohamad Ali (2005) this paper describes “ANALYSIS BETWEEN ARGO UML AND STAR UML”. This paper says StarUML is an open source tool to develop freely available UML platform running on Windows platform. StarUML is excellent tool for software designing. On the other hand, ArgoUML tool is a pure Java open source UML tool which provides support for object-oriented design. ArgoUML supports editing and code generation features. In this paper it has been summarized the study of technologies like StarUML & ArgoUML tools. StarUML and AgroUml supports the following Unified Modeling Language diagrams like Use Case Diagram, Class Diagram , Sequence Diagram , Collaboration Diagram , State chart Diagram , Activity Diagram , Component Diagram ,Deployment Diagram etc. (pg 1-127)

5] Edition Ed Roman (Author), Rima Patel Sriganesh (Author), Gerald Brose (Author)(2005) this book is titled as “Mastering Enterprise JavaBeans 3rd Edition Third “. Demonstrates to an EJB system, program with EJB, adopt good practices, and also it has advanced EJB concepts and techniques. It also includes transactions and its integration. It also explains EJB security mechanisms, Best practices for EJB application development deployment, and testing. (pg 1-257)

6] Bruce Eckel (Author) (10 feb 2006), this book titled as ” Thinking in Java Fourth Edition Bruce Eckel President, MindView, Inc. teochew”(Pg 933-1033 GUI). This *books objective is to give* good clarity, good organization, and direct programming examples. From the basics of Java syntax to its advanced features it covers every topic. The object-oriented programming is fully explained in depth. Arrays and Enumerated data types very well covered. 500 working Java programs in 700 compiling files, written for this edition and Java SE5/6.It gave right examples to GUI programming with Layouts and Event Handling.

7] Samia Bouzefrane¹ , Julien Cordry¹ and Pierre Paradinas²[2009],this paper is” **MESURE Tool to benchmark Java Card platforms”.** This paper Java Card standard has been a good turning point in smart card technology. It tests Java Card platforms. Many encryptions techniques are followed in Java card systems.

8] **B.Vasavi*1, Y.V.Sreevani2 , G.Sindhu Priya3(2011)**, this paper is titled as “HIBERNATE TECHNOLOGY FOR AN EFFICIENT BUSINESS APPLICATION EXTENSION”. This paper shows hibernate technology as a new and better way to access large databases and also it presents the way to implement persistent features in the object-oriented systems by using Hibernate . It presents hibernate mapping framework. Hibernate support object relations. Hibernate provides a rich query language .It retrieve objects from the database, along with a capable caching layer and JMX (Java Management Extensions) support. Hibernate is a feature-rich, high-performance, powerful and popular Object Request Management solution for Java. Hibernate provides development of persistent objects using common Java object model to mirror database structure. This approach progresses business performance. In addition to, it compares efficiency of database access in Hibernate and JDBC. This paper gives a clear picture of hibernate technology its implementation.

9] **Bert Bates and Kathy Sierra(Author)(2011)**, this book titled as ”Head First Servlets & JSP: Passing the Sun Certified Web Component Developer Exam (Covers J2EE 1.5) 2011by Bert Bates and Kathy Sierra”. It explained Servlet and JSP in detail. It help Java to interact with web applications. It also helps in learning all the Hyper /text mark up language tags. (pg 93-403)

10] **(David), Burns (Author)(2012),this book is titled as “Selenium 2 Testing Tools - Beginner's Guide (English, Paperback, David Burns)”**. *Selenium 2 Testing Tools: Beginner's Guide* is a book for computer professionals and web developers. It introduces automation through Selenium for testing. The book helps beginners setting up a Java Environment to run their tests on mobile devices and also it shows how to get a Selenium setup up and its running. It helps in testing complex web applications and running tests in parallel It is an required for Software Quality Assurance professionals, Software Developers and software Project Managers who are interested in automated testing.(109-125)

11] **Vishawjyoti* and Sachin Sharma Deptt of Computer Applications, Manav Rachna International University (2012)**, This paper discusses “STUDY AND ANALYSIS OF

AUTOMATION TESTING TECHNIQUES “. It says how Testing is important activity in SDLC. It says how Effective Testing results in high quality software. This Paper describes many issues of Software Testing. Testing can be conducted without a machine i.e. manually as well as it is automated. It says the advantages and disadvantages in automation. For Automation which tool is used? . To perform automation Testing Software Testing a tool namely “Selenium” is used. With this testing tool, test cases are recorded automatically in background while tester is enters the data in a screen of web application. It is also said that it is best suited for regression testing environment.

12] Wetherbee and Chirag Rathod(2013) This book is titled as “Beginning EJB 3: Java EE”. This book is targeted at programmers who are well experienced with Java, it explained single- or multi-tier applications using different versions of EJB technologies, It guide us in take challenges to build enterprise applications. Here MVC architecture is clearly explained. The architecture of EJB and different beans are explained. Integrating Session Beans, Entities, Message-Driven Beans, and Web Services are shown practically. Transaction support in Enterprise Java Bean is also very well explained. (pg-1-205)

13] Raghu Kodali (Author), Jonathan Wetherbee (Author), Peter Zadrozny (Author)(2013), this book is entitled as “Beginning EJB 3 Application Development: From Novice to Professional (Beginning: from Novice to Professional) 1st ed. Edition”. This book explains in detail EJB 3.0 architecture, and it explains how EJB can work as backend business logic. It offers practical solutions of entire EJB architecture; it covered all areas of the EJB 3.0 specification, with frameworks, simple development model, and other new features. In extra, it covers upgrade problems: common issues occurred when moving from EJB 2.1 to EJB 3.0. (pg 1-300)

14] Jaideep Verma,Inderjeet Singh Behl, Ankush Saini(2013) , RESEARCH PAPER ON SWINGS This paper discusses introduction to Swing. It clearly explained Swing library. He

explained Swing basic building blocks and tried to assist in functional Swing application. Model-and-view design of swing is explained in detail. This paper says Swing component design. It provides technical overview of Swing's modified MVC of Swing component architecture as well. It says how AWT defines its controls, windows, dialog boxes and panels. Paper showed the difference of swings and AWT. It explained what advanced features Swings can perform. Additional features of swings like how timers are used ,focus subsystems and key building all that are explained.

15] Horstmann (Author)(2013) , this book is titled as “Core Java, Volume I: Fundamentals, 9e Paperback – 2013”. The objective of this book is to cover core java concepts. The graphic applications using Java, Deploying applications and applets, Event Handling, Swing applications are covered in detail. This book helped for learning 2D graphics. It helped in creating special Fonts, images, panels etc. (pg 396-500)(pg 314-358)

16] Rajneesh Gautam School of CSE (2013), this paper is “Comparative study of JVM”. This paper discusses working and architecture of Java Virtual Machine infrastructure. This research paper includes comparison of four different virtual machines. Java virtual machine security architecture is showed diagrammatically. Implementation areas of various virtual machines are shown. Similarities between JNDI and JDBC are stated.

17] Robert T. Hans[2013], this paper is “WORK BREAKDOWN STRUCTURE: A TOOL FOR SOFTWARE PROJECT SCOPE VERIFICATION” Software project scope verification is an important process in project scope management and should be performed properly and thoroughly to avoid project rework. Here a tool called Work Break down Structure is used for Project scheduling.

18] Manoj Kumar Srivastav*, Dr.Asoke Nath(2014) , The paper discusses A Mathematical Modeling of Object Oriented Programming Language. He tried to develop procedural language using mathematical model. He explained how to achieve Inheritance, Encapsulation, and Polymorphism. This paper clearly explained what an object oriented language is and how to work with objects.

19] Radhika Gogia, Preeti Chhabra, Rupa Kumari(2014), This paper discusses a recent approach to Java Security system. Since Java is used in ecommerce applications, Mobile application, Real Time applications there is user interaction with Internet and this may lead to security attacks. Here this paper discusses how security model is provided. Here mainly we have verifier, class loader architecture and security manager to provide security to java applications. Java Byte code is verified by verifier before it is run. Class Loader take care that code is not replaced by outsiders. Security manager blocks the operation unauthorized code access like applet if any security issue. To provide good security this paper says that make every class final, use limited number of classes and not to use old browsers. Use always trusted sites and always update browsers.

20] Aabha Sharma, Nikhita Upreti & Divya Bali(2014) this paper describes “JSP and Servlets in Java”. This paper presents an approach of Web applications that are developed using Java Servlets and Java Server Pages. It basically explains the use of JSP as well as Servlets in interacting web applications in j2ee. Topics covered in this paper include Introduction to jsp and servlets, Life cycle and architecture of Servlet and JSP, Working of JSP and Servlet and Difference between JSP and Servlet explained. Execution issues of Servlet and its security issues are discussed. The main differences between Servlet and JSP are given. It is said that these technologies are using platform independent methods for building web programs. By using these technologies Java can interact with Internet. Java server pages are built on top of Java Servlets.

21] Joel Murach (Author) August 24, 2015, this book is titled as “Murach's Beginning Java with EclipsePaperback “. It explained working with eclipse IDE. This book helps a lot android Development. Object oriented concepts, Exception handling are very well explained.(pg 484-602)

22] Sonal Jain, Member, IACSIT, Mayuri Singhal, and Axita Shah (Authors) (March 2016), this paper is titled as “International Journal of Information and Education Technology”.This paper discusses the usage of plagiarism checking tools for automated assessment of java programs for students. Ferret **was** a copy-detection tool, created by

members of the Plagiarism Detection **cluster**. Ferret locates duplicate text, code in multiple text or documents or source coding files. The program is designed to find duplication in different programming languages.

23] Shamali Kokare¹, Divya Chauhan², Jyoti Mishra³, Aarti Sakore⁴, Prof. Manisha Singh⁵
Shamali Kokare¹, Dept. of Computer Engineering, Dhole Patil Collage of Engineering, Maharashtra (2017), this paper discusses Review Paper on Online Java Compiler. Motto of their project to write a java program easily, compile and debug in on-line. Here the file can be encrypted and decrypted using RSA algorithm. Here online java editor appears with some security model. It takes the help of cloud computing and security editor. We get higher output. Compiler upgraded automatically. No need of separate compiler. Here the disadvantage is that we cannot maintain multiple versions of the program. We have to spend more time in our program maintenance. Coming to advantages it is said that precompiled package can run fast on online compiler than that of the Interpreter in our real time. For updation daily no need of any separate application. By this project we can view all Java API.

24] Prof. B.A. Jadhawar¹, Komal A. Bhosale² Professor, Computer Science & Engg, DACOE, Karad, India
1Student, Computer Science & Engg, DACOE, Karad, India
2(2017) , Research Paper on "Java Interactional Development Environment Programming Tool". It discusses issues below. A Java IDE (Integrated Development Environment) is an application which makes users more easily write, manage the code and debug the Java programs. IDE is helpful for beginners. IDE provides features like syntax highlighting and automatic code completion, which help the user to write code easily. It discusses various issues like Form building with AWT and Swings. Automatic code generation at blackened when using Graphical user interface design with Abstract window toolkit when using various controls like buttons etc. Here there is a feature of Automatic code generation of HTML pages. Instead of writing tags and attributes we can easily select the required elements in our HTML page. Here JIDE tool how it is different from IDEs NetBeans and Eclipse are mentioned. It is also helping novice user for auto completion of sentence. Novice user need not bother about completion of a sentence or API list.

25] Abhilasha Rava M.C.A. Department IGNOU Gujarat (August 2017), this paper discusses Enterprise Java Beans (EJB) Types. Enterprise Java Beans are Object oriented programs used for multitier distributed environments. It also in detail explains three different types of beans namely Session Beans, Entity Beans and Message-Driven Beans. The result of this research study is a high level approach towards object – oriented transactional environment for constructing distributed Multi-tier enterprise components. For enterprise application we either use Session Bean, Entity Bean or Message Driven Bean basing on our requirement. When developer is writing EJB code he need not bother about Connection pooling, Security issues and Transaction Management.

26] Ashima Gambhir Amity School of Engineering & Technology [2017], this paper is “International Journal of Advanced Research in Computer Science and Software Engineering Research”. This research paper aims to help in the study on application and Implementation of Java Database Connectivity drivers (JDBC). This paper speaks about the importance of dynamic data in web Applications. Dynamically retrieved data resides In Database server or local file system. This Paper discusses the different JDBC drivers and their working .Pros and cons of all the four drivers is discussed. This paper explained how Java API is connecting Java and JDBC drivers. Java Database Connectivity is an Application Programming Interface used to connect Java application with Database. JDBC is used to interact with various types of Databases such as MS Access, Oracle, My SQL and SQL Server. This paper discusses that JDBC is defined as Platform-independent interface between a RDBMS and Java programming. JDBS allows java program to execute SQL statements, retrieve results from database when required.

27] Lili Wang* , Panlin Jiang(2017), this paper is “An Efficient Design Method of Enterprise Attendance System Based on SSH2”. This paper is based on SSH2 open source framework. This paper implemented a employee attendance management system. The system uses JNDI, JSP and Ajax technologies. This paper implements the separation of three layers like presentation layer, business layer and database layer. It says reduction in coupling and the code reusability. System architecture says presentation layer uses Struts for process control. Business processing is done by Hibernate. Hibernate uses database layer and spring uses business layer. Spring integrates the code. Here to communicate with web Application JSP and Servlet are used.

28] Herbert Schildt (Author)(2017), this book is titled as “Java - The Complete Reference

Paperback – 1 Nov 2017” . This book is of great scope guide to the Java language, describing entire Java syntax, keywords and fundamental principles of programming. Important portions of the Java API library are also very well examined. This book helps all programmers, whether they are a novice or experienced programmers. The beginner can observe discussions and examples 11 which are helpful. It clearly explained AWT, Swings and Servlets. Deploying Java Beans and Bean Interface are very well explained. (pg 701-753 Applets)(pg 847-963 Swings and Servlets)

29] Poul Klausen Klausen (Author) , this book is titled as “Java 6: JDBC and database applications Software Development Beginner's guide to programming The sixth edition Kindle Edition “.This book is based on software development. It covered database applications, and write programs in Java using database. Database used is MySQL. Java data base connectivity is clearly explained in it. For displaying table data JTable which is of Swing Component is explained. SQL syntax and all the queries related to SQL are given with syntax. PL/SQL is used for transactions. All the drivers of JDBC are explained. (pg 1-185)

30] Barry A. Burd (Author) (2017), this paper is titled as “**Beginning Programming with Java for Dummies, 5ed**”. This book covered entire object oriented programming features with examples. It covered the basics of Java and also advanced features of Java. Applets are very well explained.(pg 367-382)

31] Nathan Clark (Author), this book is titled as “Java: Advanced Features and Programming Techniques (Step-By-Step Java Book 3)” .This book covers all the practical examples of java to novice users. JDBC examples are very well explained. (1-133)

32] Prof. B. A. Jadhawar, Komal , A. Bhosale (2017), this paper is titled as “Research Paper on Java Interactional Development Environment Programming Tool”. This paper is dealing With Automatic code generation with form building using eclipse IDE. It explained how IDE helped coding , debugging, compiling and form building.

33] Marek Prochazka, Peter Tcma,Radek Pospisil (2017),this paper is titled as “Enterprise Java Beans Benchmarking” . EJB implementation tests are outlined here. Here EJB

implementation problems are discussed. There is good explanation of EJB architecture.

34] Graba (19 August 2013) , this book is titled as“ An introduction to network programming with Java “. This book is an introduction to network programming for people who are familiar with Java and want to enhance their knowledge and capacity.

35] Chad Michael Davis, Scott Stanlick Donald Brown (18 may 2008), this book is titled as “ Struts 2 in Action Paperback – 2008 “. This book explained the usage of Struts with example.It adds powerful features such as a plug-ins framework, Java Server Faces integration, and XMLfree configuration. (Pg-20-38)

36] Rex Allen Jones (19 July 2016), this book is titled as” Absolute Beginner (Part 1) Selenium Web Driver for Functional Automation Testing: Your Beginners Guide Kindle Edition”. It is the basic version. It explains open source selenium IDE for software testing. This book covered recording and play back. (pg 1-100)

37] John Horton (August 29, 2018), this book is titled as “ Learning Java by Building Android Games: Learn Java and Android from scratch by building six exciting games”. This book explained android game building practically. It also covered all the object oriented and GUI concepts(pg 161-200)

