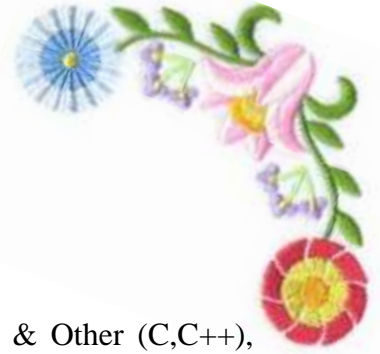


Core java



Duration 60 classes

1. **INTRODUCTION:-** introduction, Parts of Java, Diff b/w Java & Other (C,C++), Java history, Java features, Java programming format,JVM Architecture ,Java Tokens& Statements, Garbage Collection, Java Data Types, Typecasting, Control statements (if, else, switch, loops) and jumping statements (break, continue, return),Arrays .
2. **OOPS:-** Introduction, Class, Object, Static and final Keywords, Constructors, This Key Word Inheritance, Super Key Word, Polymorphism (Over Loading & Over Riding),Abstraction ,Encapsulation , Abstract Classes, Interfaces.
3. **PACKAGES:-**Introduction to predefined packages, User Defined Packages, Access Specifiers.
4. **INNER CLASSES:-** Introduction, Member inner class ,Static inner class ,Local inner class ,Anonymous inner class
5. **STRING MANIPULATIONS:-**String, String Buffer, String Builder, StringTokenizer.
6. **EXCEPTION HANDLING:-**Introduction, Pre-Defined Exceptions, Try-Catch-Finally, Throws, throw, User Defined Exception examples.
7. **MULTITHREADING: -**Introduction, Thread Creations, Thread Life Cycle, Life Cycle Methods, Synchronization, Deadlock, Thread Communication, Thread Group, Daemon Thread.
8. **I/O STREAMS and FILES: -**Introduction, Byte-oriented streams, Character – oriented streams, File, Random-access file, Serialization & De-serialization.
9. **NETWORKING:-**Introduction, Socket, Server socket, Client–Server Communication.
10. **WRAPPERCLASSES: -** Introduction, Byte, Short, Integer, Long, Float, Double, Character, Boolean classes.
11. **COLLECTION FRAME WORK:-** Introduction, Util Package interfaces, List, Set, Map, List interface & its classes, Set interface & its classes ,Map interface & its classes, Calendar and Date classes , Properties class.
12. **AWT:-** Introduction ,Components ,Event-Delegation-Model ,Listeners ,Layouts, Individual components Label , Button, CheckBox, Radio Button ,Choice, List, Menu, Text Field, Text Area , Scrollbar.



13. SWING (JFC):-Introduction Diff b/w awt and swing, Components hierarchy, Panes Individual Swings components JLabel, JButton, JTextField, JTextArea, JTable, JList, JMenu, JTree, JComboBox, JToggleButton, JTabbedPane, JSplitPane, JProgressBar, JToolBar, JColorChooser, Handling Keyboard Events, Handling Mouse Events.

14. Applets: -introduction, life cycle of applets.

15. Enumeration & Annotations.

16. JDBC: - Introduction, Jdbc Architecture, Types of Drivers, Statement, ResultSet, PreparedStatement, Connection Modes, CallableStatement, BLOB & CLOB, Stored Procedures and Functions.

