



JAVA (J2SE)

INTRODUCTION TO JAVA

- FEATURES OF JAVA
- DATA TYPES
- COMPILING AND INTERPRETING
- MEMORY MANAGEMENT (HEAP/STACK)
- ARCHITECTURE OF JVM
- COMMAND LINE ARGUMENTS
- OVERLOADING OF MAIN FUNCTION
- OPERATORS
- IMPLICIT & EXPLICIT TYPE CASTING
- CONDITIONAL STATEMENTS
- LOOPS
- NESTING OF LOOPS
- ARRAYS
- FUNCTIONS
- CLASSES AND OBJECTS
- STATIC DATA MEMBERS
- AUTO UPCASTING & EXPLICIT DOWN CASTING
- STATIC INITIALIZATION BLOCKS (SIB)
- INSTANCE INITIALIZATION BLOCKS(IIB)
- CONSTRUCTORS
- ENUMS
- INNER CLASSES
- INHERITANCE
- ABSTRACT CLASSES
- INTERFACES
- EXCEPTION HANDLING
- PACKAGES
- MULTITHREADING
- APPLETS
- AWT(ABSTRACT WINDOW TOOL)
- SWINGS
- WRAPPER CLASSES
- SCANNER CLASS
- STRING AND STRING BUFFER
- DATABASE CONCEPTS
- JDBC

NETBEANS

ECLIPSE

MYSQL/ORACLE

SQL SERVER 2017

DAILY ASSIGNMENTS

JAVA ON LINUX

PROJECT WORK

WEEKLY TESTS

**INTERVIEW/OBJECTIVE
QUESTIONS**



JAVA (J2EE)

- NETWORKING
- ADAPTER CLASSES
- COLLECTIONS
- GENERIC CLASSES
- MIXING & NON MIXING GENERICS
- BOXING & UNBOXING
- COMPARABLE & COMPARATOR INTERFACES
- DATE AND TIME/CALENDAR CLASSES
- NETWORKING (SOCKET PROGRAMMING)
- HTML / HTML5
- JAVASCRIPT / JQUERY
- SERVLETS
- SESSIONS AND COOKIES
- JSP (JAVA SERVER PAGES)
- EL (EXPRESSION LANGUAGE)
- JSTL (JAVA SERVER TAG LIBRARY)
- AUTHORIZATION AND AUTHENTICATION
- CUSTOM TAGS
- CSS
- JQUERY
- TEMPLATE DESIGNING
- MVC
- CREATING JAR FILE
- JAVA BEANS
- RMI
- FILE HANDLING
- XML
- EJB (ENTERPRISE JAVA BEANS)
- AJAX
- STRUTS
- ANNOTATIONS
- DESIGN PATTERNS (SINGLETON, MVC, OBSERVER, FACTORY, ABSTRACT FACTORY)
- IMMUTABLE CLASSES
- THREADPOOL CONCEPTS
- EXECUTOR FRAMEWORK
- FOLK & JOIN FRAMEWORK
- SOAP FRAMEWORK
- WEB SERVICES
- OVERVIEW OF HIBERNATE, SPRING AND J2ME
- JSF

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