

## Level 1 :

- **Java MCQ on Data Types, Variables and Arrays**  
Integer, character, floating and boolean data types, variables, type casting and conversions and properties of arrays.
- **Java MCQ on Operators and Control Statements**  
Arithmetic, bitwise, relational, boolean and assignment operators. The section also contains questions on control statements.
- **Java Environment & OOPS Concepts**  
The section contains Java MCQs on oops concepts, jdk, jre, jit and jvm.
- **Java MCQ on Classes and Methods**  
The section contains Java multiple choice questions and answers on fundamentals of classes, methods basics, heap and garbage collection, object creation, constructors, access control, string class, method overloading and static keyword, command line arguments and recursion.
- **Java MCQ on Inheritance**  
The section contains Java questions and answers on the concepts of objects, method overriding, inheritance, abstract class and super.
- **Multiple Choice Questions on String Handling in Java**  
The section contains Java MCQs on the character extraction, string handling functions like stringbuffer class and methods, stringjoiner class and other string comparison functions.

## Level 2 :

### Exploring java.lang & java.io

The section contains Java multiple choice questions and answers on various concepts of java.lang like data types, types of classes, character and byte streams, builtin exceptions, rounding functions, system class, byte, short, double and float wrappers, character and boolean wrappers and environment properties.

*Java.lang Basics*

*Java.lang – Integer, Long And Character Wrappers*

*Java.lang – Void, Process and System Class*

*Java.lang – Object & Math Class*

*Java.lang – System Class Advance*

*Java.lang – Double & Float Wrappers*

*Java.io Introduction*

*Java.io Byte Streams*

*Java.io Character Streams*

*Java Memory Management*

*Java Built in Exceptions*

*Java.lang – Rounding Functions*

*Java.lang – Byte & Short Wrappers*

*Java.lang – Character Wrapper Advance*

*Java.lang – Boolean Wrapper Advance*

*Java.lang – Miscellaneous Math Methods & StrictMath Class*

*Java.lang – Runtime & ClassLoader Classes*

*java.lang – Class*

*Java.lang – ThreadGroup Class & Runnable Interface*

*Java Environment Propertie*

## **Serialization & Networking**

The section contains Java questions and answers on networking basics, server, sockets, serialization, deserialization, url class, networking datagrams, httpresponse and urlconnection class.

*Java Serialization – 1*

*Java Serialization – 2*

*Java Serialization & Deserialization*

*Java Networking Basics*

*Java Networking – Server & Sockets*

*Java URL Class*

*HttpResponse & URLConnection Class*

*Datagram in Java*

### **Level 3 :**

#### **Java.util – Collections Framework**

The section contains Java MCQs on aspects of java.util like maps, array list, hash set, tree set, linked list, stacks, vectors, dictionary and hash table, rmi, iterators, collection framework overview, collection interface and algorithms.

*Java.util – ArrayList Class*

*Java HashMap*

*Java List*

*Java Set*

*Java.util – LinkedList, HashSet & TreeSet Class*

*Java.util – Maps*

*Java.util – Vectors & Stack*

*Java.util – Dictionary, Hashtable & Properties*

*Java.util – BitSet & Date class*

*Java Remote Method Invocation (RMI)*

*Java Collection Framework Overview*

*Java Iterators*

*Java Queue*

*Java.util – Array Class*

*Java Collections Interface*

*Java Collection Algorithms*

#### **Exception Handling**

The section contains Java multiple choice questions with answers on basics of exception handling, exception types like throw, throws and nested try.

*Java Exceptional Handling Basics*

*Java Exceptional Handling*

*Java Exceptions Types*

*Throw, Throws & Nested Try*

*Finally & Built in Exceptions*

*Try & Catch*

*Creating Exceptions*

## **Level 4 :**

### **Multithreading**

The section contains Java questions with answers on basics of multithreading, thread basics, thread creation, isAlive(), join() and thread synchronization basics.

*isAlive(), Join() & Thread Synchronization in Java*

*Implementing Runnable Interface for Threads*

*Java Thread Class*

*Java Multithreading Basics*

*Java Multithreading*

*Java Threads*

### **I/O & Applets**

The section contains Java MCQs on applets fundamentals, static import, basics of I/O, file reading and writing and reading console i/p and writing console o/p.

*Java Input & Output Basics*

*Reading Console Input in Java*

*Writing Console Output in Java*

*Reading & Writing Files in Java*

*Java Applets Fundamentals*

### **Regular Expressions**

The section contains Java multiple choice questions and answers on regular expressions and text formatting.

*Java Text Formatting*

*Java Regular Expression*

### **Event Handling in Java**

The section contains Java questions and answers on basics of event handling, different types of event handling classes like ActionEvent, ComponentEvent, ContainerEvent, TextEvent, MouseEvent, WindowEvent and other event listener interfaces.

*Java Event Handling Basics*

*ActionEvent & AdjustmentEvent Class*

*ComponentEvent, ContainerEvent & FocusEvent Class in Java*

*MouseEvent, TextEvent & WindowEvent Class in Java*

*Event Listeners Interfaces in Java*

## **Level 5 :**

### **Java.util – More Utility Classes**

The section contains Java MCQs on locale, random number and classes, timer class, formatter, internationalization, i18n with date, number, currency and time.

*Java Random Number*

*Java Locale & Random Classes*

*Java Observable & Timer Class*

### **Java Interfaces & Packages**

The section contains Java questions and answers on packages, core java api packages, interfaces and its types.

*Java Packages*

*Java Interfaces – 1*

*Java Interfaces – 2*

*Core Java API Packages*

*Java Type Interface*

### **Autoboxing**

The section contains Java MCQs on junits, java 8 features, hibernate, file and directory, liskovs principle, aggregation, inference, autoboxing and unboxing.

*JUnits*

*Java 8 Features*

*File and Directory in Java*

*Hibernate*

*Liskovs Principle*

*Java Coding Best Practices*

### **Generics**

The section contains Java multiple choice questions and answers on generics and its methods, wildcards, restrictions and reflecting generics.

*Java Generics*

*Java Generic Methods*

*Java Restrictions on Generics*

*Java Wildcards*

## **Level 6 :**

### **Java Beans & JDBC**

The section contains Java questions and answers on java beans, jdbc and design patterns.

*Java Beans*

*JDBC*

*Java Design Patterns*

### **Java Server Technologies & Servlet**

The section contains Java Programming MCQs on eclipse debugging, web application, servlet, client and server.

*Debugging in Eclipse*

*Web Application*

*Client and Server in Java*

*Java Servlet*

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