1. **Explain the working of Java Program (or) Explain WORA Architecture (or) Prove how is Java Platform Independent**
2. **Which Company started Java and who Owns it now?**
3. **Name of the person who started Java**
4. **Latest version of JDK and what are the Changes**
5. **Difference between JDK, JRE, JVM.**
6. **What is a Class and an Object?**
7. **Features of Java**
8. **What is job of class Loader?**
9. **Explain a program with respect to command line arguments**
10. **What is Inheritance and Explain different types of inheritance.**
11. **What is Encapsulation?**
12. **Explain the Specifications of Java Bean Class.**
13. **Explain different types of Blocks.**
14. **What is a Variable? Explain Datatypes as well?**
15. **What do you mean by methods and different ways of writing it? Are functions and methods the same?**
16. **Explain the Naming Conventions/ Coding Standards**
17. **Explain Method Overloading? Can we Overload static and main methods? Example for pre defined overloaded methods**
18. **Explain Constructors, different types of Constructors and Constructor Overloading.**
19. **Explain Constructor Chaining w.r.t same class and another class.**
20. **Why Multiple Inheritance is not possible in Java w.r.t Classes?**
21. **Explain Local and Member/Global Variables.**
22. **Explain Method Overriding and rules and Can we override static method in Java?**
23. **Is it possible to call C and C++ functions**
24. **Explain super keyword.**
25. **Explain static keyword**
26. **What are the different Access Specifiers?**
27. **Difference between abstract and interface.**
28. **Explain Type Casting**
29. **Explain Upcasting and Downcasting?**
30. **What is ClassCastException and How do we avoid it?**
31. **What is Polymorphism? Explain different types of Polymorphism**
32. **What is Abstraction?**
33. **Explain method binding.**
34. **Explain Generalization and specialization**
35. **Can we have a Nested Method in Java?**
36. **What happens when a class implements two interfaces having the same method name?**
37. **Explain the final keyword**
38. **Difference between final method and private method**
39. **Different ways of avoiding Inheritance?**
40. **Ways to avoid Object Creation**
41. **Why main() takes String as an argument**
42. **Why main() is static**
43. **Name a few methods in Array**
44. **Difference between for and for each loop**
45. **How to make data read-only**
46. **Explain JVM architecture**
47. **Give Example for primitive Datatypesand non primitive Datatypes**
48. **Difference between static and non static**
49. **Explain different looping statements**
50. **Explain Decision Making Statements**
51. **Explain different types of Operators.**
52. **Explain Scanner Class and what the the methods in order to accept different type of inputs**
53. **What are packages and explain structure**
54. **Explain static import**
55. **Explain Has-A relationship or Association**
56. **Explain Inner classes and Program Anonymous Inner class**
57. **Difference between final, finally and finalize**
58. **Explain Garbage Collection**
59. **Can we Explicitly Invoke Garbage Collector?**

**Exceptions**

1. **Super most class in Exception Hierarchy and what is error and what is an exception?**
2. **Types of exceptions and Example for Checked and Unchecked**
3. **Difference between throw and throws**
4. **How to handle an exception and can we have try and catch block inside finally block?**
5. **How do create Custom Exception and how to make Checked or Unchecked Custom Exception**
6. **Can we write only try block without catch and finally blocks?**
7. **Can we have try without a catch block? If yes, how?**
8. **Can we have executable lines of code between try and catch blocks**
9. **Can we have nested try and catch blocks**
10. **Can exceptions occur at compile time**
11. **Difference between error and exception**
12. **Can we handle multiple exceptions in single catch blocks**
13. **With throws can we use multiple exceptions**
14. **Explain finally block**

**LIBRARIES AND COLLECTIONS**

1. **Supermost class in java**
2. **Few predefined libraries and what is java.lang package?s**
3. **Explain String and mutable version of String**
4. **Difference between StringBuffer and StringBuilder**
5. **Explain toString, hashcode and equals()**
6. **Explain SOP**
7. **Explain Specialization and Generalization**
8. **What is a framework?**
9. **What is collection and explain collection hierarchy**
10. **Diff between collection and collections**
11. **Explain java equality contract**
12. **Diff between ArrayList and LinkedList**
13. **Diff between ArrayList and Vector**
14. **Diff between List and Set**
15. **Initial capacity of Arraylist and HashSet**
16. **Explain autoboxing and unboxing**
17. **Explain wrapper classes**
18. **Explain Generics**
19. **Constructors in ArrayList, LinkedList, Vector, and HashSet**
20. **Diff between Iterator and ListIterator**
21. **Diff between HashSet and LinkedHashSet**
22. **Diff between Comparable and Comparator**
23. **Diff between TreeSet and HashSet**
24. **When to use Arraylist and when LinkedList?**
25. **Explain maps and Difference between HashMap, LinkedHashMap and TreeMap**