

Assignment 3

Date:06/05/2021

Submission Date:08/05/2021

1. What is Java?
2. What is a package in Java? List down various advantages of packages.
3. Explain JDK, JRE and JVM?
4. Explain public static void main(String args[]) in Java.
5. What are the differences between C++ and Java?
6. Why Java is platform independent?
7. What are wrapper classes in Java?
8. Why pointers are not used in Java?
9. List some features of Java?
10. Why is Java Architectural Neutral?
11. How Java enabled High Performance?
12. Why Java is considered dynamic?
13. What is Java Virtual Machine and how it is considered in context of Java's platform independent feature?
14. List two Java IDE's?
15. Why Java is called as "Platform" ?
16. Is Java Pure-Object oriented Language ?
17. Which version of java have u learned? Name some of the new features added to it.
18. What gives Java its 'write once and run anywhere' nature?
19. Difference between path and classpath.
20. What is the signature of main function in java ?
21. What is the difference between JDK and JRE?
22. What is JVM ? What it does?
23. Why JVM is called as "virtual machine"?
24. What are the main components of JVM? Explain them. Or Explain JVM Architecture.
25. What is the difference between Java compiler (javac) and JIT ?
26. Is Empty .java file name a valid source file name?

27. Is JRE different for different Platforms ?
28. Difference between C++ and java in terms of object creation.
29. Who invokes main() function ?
30. What is .class file known as ?
31. Can we define more than one public class in a java source code ? what is the rule of public class and file name . ?
32. What is JIT compiler?
33. How many types of memory areas are allocated by JVM?
34. What is the rule for local member in java.
35. What are the various access specifiers in Java?
36. What is the rule for local member in java.
37. What is native code?
38. Why there is no sizeof operator in java ?
39. What kinds of programs u can develop using Java ?
40. U have reference type as a member of class. What is the default value it gets?
41. What is the job done by classloader ?
42. Explain the hierarchy of classloaders in java.
43. What is the role played by Bytecode Verifier ?
44. What are the memory areas allocated by JVM ?
45. What kinds of programs u can develop using Java
46. When parseInt() method can be used?
47. What is finalized() method ?
48. Difference between C++ pointer and Java reference.
49. U have reference type as a member of class. What is the default value it gets?
50. What are the expressions allowed in switch block of java ?