## **Core Java FAQs**

- 1. What is the difference between JDK and JRE, JVM and JIT
- Compiler? 2. What is Java Virtual Machine (JVM)?
- 3. What are the different types of memory areas allocated by
- JVM? 4. What isJIT compiler?
- **5.** How Java platformis different fromother platforms?
- **6.** What is platform independency in java?
- 7. How many class loaders in java?
- **8.** What is delegation Hierarchy Algorithm?
- **9.** Canwe write mainmethod as public void static instead of public static void?
- **10.** In Java, if we do not specify any value for local variables, then what will be the default value of the local variables?
- 11. Let say, we run a java class without passing any arguments. What willbe the value of String array of arguments in Mainmethod?
- **12.** What is the difference between byte and char data types in Java? **13.** Ascending order of numeric data types?
- 14. Can I take multi classes in single java file?
- 15. OOPS
- 16. What are the main principles of Object Oriented Programming?
- **17.** What is the difference betweenObject Oriented Programming language andObject Based Programming language?

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- 19. Why do we need constructorin Java?
- 20. Why do we need default constructor in Java classes?
- 21. What is the value returned by Constructorin Java?
- 22. Canwe inherit a Constructor?
- **23.** Why constructors cannot be final, static, or abstract in Java? Inheritance
- **24.** What is the purpose of 'this' keyword in java?
- **25.** Explain the concept of a static variable. How is it different from an instance variable?
- **26.** Explain the concept of Inheritance?
- 27. Which class in Java is superclass of every other class?
- 28. Why Java does not support multiple inheritance?
- 29. InOOPS, what is meant by composition?
- 30. How aggregation and composition are different
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- 33. What is the purpose of 'super' keyword in java?
- 34. Is it possible to use this() and super() both in same

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- **339.** What is the relation between Executor and ExecutorService interface?
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- 344. What are the uses of Future interface in Java?
- 345. What is the difference in concurrency in HashMap and in Hashtable? 346. How will you create synchronized instance of List or Map Collection? 347. What is a Semaphore in Java?

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