**1. What are the core OOPs concepts or main principles of object-oriented programming?**

**2. What is Encapsulation in Java?**

**3. How to achieve or implement encapsulation in Java?**

**4. What is Data hiding in Java? How to achieve it programmatically?**

**5. What is tightly encapsulated class in Java?**

**6. What would happen if we do not use Encapsulation in a program?**

**7. What is getter and setter method in Java?**

**8. Explain inheritance and its types**

**9. What is static keyword in Java. How to access a static member in java?**

**10. Which class in Java is super class of every other class?**

**11. How is Inheritance implemented/achieved in Java?**

**12. What are the uses/advantages of inheritance?**

13. What are the different access modifiers in Java and explain its scope?

**14. Why Java does not support multiple inheritance through class?**

**15. How does multiple inheritance implement in Java?**

**16. What are the uses of super keyword in Java?**

**17. Why do we use this keyword?**

**18. What is the difference between Multilevel and Hierarchical inheritance?**

**19. What are the differences between super and this keyword?**

**20. What is method overloading in Java and how it is achieved in Java?Write a program to explain?**

**21. What is method overriding and how to achieve it Java? Write a program to explain?**

**22. Can we stop method overriding in Java?**

**23. What will happen, if we declare a class as final?**

**24. What is abstract class in Java?**

**25. What is abstract method in Java?**

**26. What type of keywords an abstract class can have for its members(methods,variables)?**

**27. What type of keywords an interface can have for its members(methods,variables)?**

**28. Is it allowed to declare a method abstract as well as final?**

**29. Can we create an object to abstract class in Java?**

**30. What is interface in Java?**

**31. Is it allowed to declare an interface method as static?**

**32. Can an interface be final?**

**33. Order the sequence of execution for constructor, object, static, instance blocks?**

**34. What is a constructor in java?**

**35. Why is String immutable in java and write a program to explain the same?**

**36. What are the mutable versions of String and write a program to explain why they are called as mutable versions of String?**

**37. Write a Java Program to reverse a String. Implement it using class and have method called “reversingString”. Create 2 objects for the same class and supply values for the method.**

**38. Find the number of occurrences of a given character from the given string. Find the no. of occurrences of character (e) from String “Learning Selenium”**