--------------CORE JAVA PROGRAMMING QUESTIONS--------------

1. Write a Java program to call a non-static method inside a static method within the same class.
2. Write a Java program to call a non-static member in a static method outside the class.
3. Demonstrate the Access of public, protected, default, private members

* Different Class Same Package
* Different class Different Package

1. Write a Java program to create and use a constructor.
2. Write a Java program to create a parameterized constructor.
3. Write a Java program to initialize the non-static variables using Constructor.
4. Write a Java program to create a class with multiple constructors (constructor overloading).
5. Write a Java program to call a constructor from another constructor using this().
6. Write a Java program to call a constructor from another constructor using super().
7. Write a Java program to perform constructor chaining using super() with Hierarchical Inheritance.
8. Write a Java program to perform constructor chaining using super() with Multilevel Inheritance.
9. Write a Java program to demonstrate method overloading.
10. Write a Java program to demonstrate method overriding.
11. Write a Java program to demonstrate method overriding with Hierarchical inheritance.
12. Write a Java program to demonstrate method overriding with Multilevel Inheritance.
13. Write a Java program to show how to use this and super keywords.
14. Write a Java program to demonstrate Single Level inheritance.
15. Write a Java program to demonstrate Multi-Level inheritance.
16. Write a Java program to demonstrate Hierarchical inheritance.
17. Write a Java program to demonstrate encapsulation by making fields private and providing getter and setter methods.
18. Write a Java program where an overridden method is called based on the type of object.
19. Write a Java program to perform UpCasting.
20. Write a Java program to Demonstrate Generalization with methods.
21. Write a Java program to create and use an abstract class (with abstract methods).
22. Write a Java program to demonstrate the use of interfaces (with abstract methods).
23. Write a Java program to show case

* Single Level Inheritance with interfaces
* Multi-Level Inheritance with interfaces
* Hierarchical Inheritance with interfaces
* Combination of interface, abstract class and class

1. Write a Java program to implement multiple inheritance using interfaces.
2. Write a Java program to demonstrate Abstraction using interface.