1. **What is the interface in Java?**

Ans - An interface in Java is a mechanism that is used to achieve complete abstraction. It is basically a kind of class that contains only constants and abstract methods.

**2 - Which modifiers are allowed for methods in an Interface?**

Ans: Only abstract and public modifiers are allowed for methods in interfaces.

**3. What is the use of interface in Java?**

Ans: There are many reasons to use interfaces in java. They are as follows:

a. An interface is used to achieve full abstraction.

b. Using interfaces is the best way to expose our project’s API to some other project.

c. Programmers use interfaces to customize features of software differently for different objects.

d. By using interface, we can achieve the functionality of multiple inheritance.

**4. What is the difference between abstract class and interface in Java?**

Ans - Abstract Class – 1- Abstract class can **have abstract and non-abstract** methods.

2- It doesn’t support multiple inheritance.

3 - Abstract class can have final, non-final, static and non-static variables.

4 - Abstract class can provide the implementation of interface.

5- The abstract keyword is used to declare abstract class.

Interface - 1- Interface can have only abstract methods. Since Java 8, it can have default and static methods also.

2- Interface supports multiple inheritance.

3 - Interface has only static and final variables.

4 - Interface can't provide the implementation of abstract class.

5 - The interface keyword is used to declare interface.