Interface Assignment Solutions

1. What is an 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?Explain with an example 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 customise 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:--

-They have both abstract and non abstract methods.

-Doesn't supports multiple inheritance.

-It has final,non-final,static,non-static variables.

-It provides implementation to interface.

INTERFACE :--

-They have only abstract methods.

-Supports multiple inheritance.

-It has final,static variables.

-It doesn't provide interface to abstract class.