**INTERFACE ASSIGNMENT**

**Q1. What is an interface in java?  
Ans.** An interface is similar to abstract class but the major difference between both of them are abstract will allow not abstract methods inside their class but interface won’t.  
In interface all methods are constants and abstract. It is also used for achieving 100% abstraction.

**Q2. Which modifiers are allowed for methods in an interface? Explain with an example?  
Ans.** Only public and abstract modifiers are allowed for methods in an interface.

**Q3. What is the use of interface in java?  
Ans.** When we listen or see the term interface which refer to specification requirement.

* To make all the methods abstract and achieve 100% abstraction.
* Multiple inheritance functionality can be achieve by interface.
* We can expos our code or app in better way.
* In this our all variables will be public , static and final.

**Q4. What is the difference between abstract class and interface in java?  
Ans.** The major difference between both of them are:-  
**Interface:-**

* Interface will achieve 100% abstraction.
* All methods are public and abstract.
* All variables are public , static and final only.
* In interface the functionality of multiple inheritance can be achieve.
* It allows only abstract method.
* An interface keyword is used to declared the class interface.
* If any interface implement other interface then it is mandatory to implement or give or initialize the body of given method. We won’t leave it empty.
* An interface cannot provide the implementation of interface.
* An interface using implements keyword for implementation.
* Members can be only public.

**Abstract :-**

* Abstract will achieve 100% abstraction all time not fixed .
* Methods can be abstract and concrete.
* Abstract allows static , non – static , final , non – final all types.
* In Abstraction the functionality of multiple inheritance cannot be achieve.
* It allows only abstract method is not compulsion.
* An abstract keyword is used to declare the abstract class.
* If any interface implement other interface then it is mandatory to implement or give or initialize the body of given method. We won’t leave it empty.
* Abstract class can provide the implement of interface.
* An abstract using extend keyword for extended the class.
* A class member can be public ,private , protected etc.