Difference Between Abstract class and Interface :->

Abstract class	Interface
→ The Abstract class declared with keyword 'abstract'	→ The Interface is declared with keyword 'interface'
→ The member of abstract class either private, protected, public or friendly.	→ The member of interface either public or friendly it can't be private or protected.
→ The value of member of abstract class either fixed or changeable.	→ The value of member of Inter is always fixed so, hence ally the member of interface is declared is final.
→ The abstract class can contain constructor.	→ The Interface can't contain constructor.
→ The methods of abstract class either abstract or non-abstract but atleast one method of abstract class	→ All methods of Interface are abstract in nature it must be re-define in its all associated classes.

should be declared as Abstract method with abstract Keyword.	
→ A class is attached with abstract class through extends keyword.	→ A class is attached with an Interface through implements keyword.
→ we can't create an object of abstract class.	→ Similarly we can't create an object of interface.
→ Abstract class does't allow multiple inheritance means a class can't be extended through more than one abstract class, abstract class always used as super class	→ Interface allow the concept of mean's we can achive multiple inheritance in Java by using interface Because a class is implemented by more than one interface.
→ Example of abstract class:->	→ Example of Interface:->

⇒ OBJECT CLASS :→

It is the predefine class of Java. the Object class is a generic class of Java.

The Object class is the super class every class of Java.

The object of Object class can hold any type of Object an basic value.

The Object class is used to create generic array.

Example :→

```
import java.io.*;
import java.lang.*;

class GenericArray
{
public static void main (String args[])
{
String a = "Raja";
Integer b = new Integer (100);
Float c = new Float (33.4f);
Long d = new Long (500000);
Double e = new Double (3.6);
```

```
String arr[] = {"Adesh", "Ram Kumar",
                "Nita", "Sita"};
double f = 9.8;

Object list[] = {arr[1], a, b, arr[2],
                 c, arr[0], d, arr[3], e,
                 500, "Neha", f};
for (int i=0; i<12; i++)

System.out.println((i+1) + ". Value = "
                   + list[i]);
}
```