ABSTRACT CLASS

- An abstract class is a class that contains one or more abstract methods
- An abstract class cannot instantiated
- Another class (Concrete class) has to provide implementation of abstract methods
- Concrete class has to implement all abstract methods of the abstract class in order to be used for instantiation
- Concrete class uses extends keyword

SYNTAX

```
ABSTRACT CLASS ONE
{
 ABSTRACT   TYPE  METHOD1();
 ..............
 ..............
 TYPE  METHOD2()
   {}
}
```

EXAMPLE 1

```
abstract class base {
  abstract void method1();
  void method2()    {
System.out.println("Normal Method");
   } }
class derived extends base {
   void method1()     {
System.out.println("Abstract Method");
     } }
```

```
public class abstractdemo
{
public static void main(String args[])
   {
derived obj=new derived();
     obj.method1();
     obj.method2();
   }
}
```

EXAMPLE 2

```
abstract class one {
String name;   int age;
one()   {
name="ABC";  age=23;  }
abstract void show(); }
class two extends one {
void show()   {
System.out.println("Name :"+name);
System.out.println("Age :"+age);
} }
```

```
class demo
{
 public static void main(String args[])
   {
 two t=new two();
   t.show();
 }
}
```