**Abstract keyword**

* Abstract keyword is applied to methods and classes.
* You cannot declare a constructor or a variable as abstract.

**Abstract Methods**

Abstract methods are the methods without body or you can say without implementations.

Syntax:

Acesss\_specifier abstract method\_name (parameters);

eg:

Public abstract void display ();

**Abstract Classes**

* An Abstract class is a class that is declared as abstract.
* It may or may not contain abstract methods.
* But they can be sub classed.

Eg:1

Abstract class without abstract method:

public abstract class Abs1 {

public static void main(String args[])

{

System.out.println("hello");

}

}

Eg:2

public abstract class abs2 {

abstract void display();

public static void main(String args[])

{

//abs2 ab = new abs2();//if you uncommnet this line it w'll give error abstract class can't be intailized

System.out.println("hello");

}

}

Eg:3

public abstract class abs3a {

abstract void display();

void display1()

{

System.out.println("hrlolol");

}

}

public class abs3b extends abs3a {

public static void main(String[] s)

{

abs3b b = new abs3b();

b.display1();

b.display();

}

void display()

{

System.out.println("hello as abstract function");

}

}

Eg 4:

A class that contains an abstract method the class itself must be declared as abstract otherwise it w’ll give an error.

public class abs4 {

// abstract void error();

public static void main(String a[])

{

}

}