**Interface and abstract class**

interface one{

void add(int a, int b);

void sub(int a, int b);

void mul(int a, int b);

void div(int a, int b);

}

abstract class two implements one{

public void add(int a,int b){

System.out.println(a+b);

}

}

public class three extends two{

public void sub(int a,int b){

System.out.println(a-b);

}

public void mul(int a,int b){

System.out.println(a\*b);

}

public void div(int a,int b){

System.out.println(a/b);

}

public static void main(String args[]){

three obj=new three();

obj.add(5,6);

obj.sub(5,6);

obj.mul(5,6);

obj.div(5,6);

}

}

…………………………………………………

**Nested interface**

interface one{

void display();

interface three{

void add(int a,int b);

}

}

public class two implements one.three{

public void add(int a,int b){

System.out.println(a+b);

}

public static void main(String args[]){

two obj=new two();

obj.add(5,6);

}

}

……………………………………………………………………………………………………

**abstract class**

abstract class Bike{

abstract void run();

}

public class Honda extends Bike{

void run(){System.out.println("running safely");}

public static void main(String args[]){

Honda obj = new Honda();

obj.run();

}

}

……………………………………………………………………..

**interface**

1. **interface** printable{
2. **void** print();
3. }
4. **class** A **implements** printable{
5. **public** **void** print(){System.out.println("Hello");}
7. **public** **static** **void** main(String args[]){
8. A obj = **new** A();
9. obj.print();
10. }
11. }