**Q1.Create two classes named Mammals and MarineAnimals. Create another class named BlueWhale**

**which inherits both the above classes. Now, create a function in each of these classes which prints**

**"I am mammal", "I am a marine animal" and "I belong to both the categories: Mammals as well as Marine Animals" respectively.**

**Now, create an object for each of the above class and try calling**

**1 - function of Mammals by the object of Mammal**

**2 - function of MarineAnimal by the object of MarineAnimal**

**3 - function of BlueWhale by the object of BlueWhale**

**4 - function of each of its parent by the object of BlueWhale**

interface Mammal{

void mammal();

}

interface MarineAnimals {

void marineAnimals();

}

class BlueWhale implements Mammal,MarineAnimals{

public void mammal(){

System.out.println("I am Mammal");

}

public void marineAnimals(){

System.out.println("I am MarineAnimal");

}

public void blueWhale(){

System.out.println("I belong to both the categories: Mammals as well as Marine Animals");

}

}

class SeaWorld{

public static void main(String[] args){

BlueWhale b = new BlueWhale();

b.mammal();

b.marineAnimals();

b.blueWhale();

**2. Make a class named Fruit with a data member to calculate the number of fruits in a basket.**

**Create two other class named Apples and Mangoes to calculate the number of apples and mangoes in the basket.**

**Print the number of fruits of each type and the total number of fruits in the basket.**

class Fruit{

int no\_of\_fruits;

int no\_of\_mango;

int no\_of\_apple;

public void numberofmango(int a ){

this.no\_of\_mango=a;

}

public void numberofapple(int b){

this.no\_of\_apple=b;

}

public void no\_of\_fruit(){

this.no\_of\_fruits=this.no\_of\_mango+this.no\_of\_apple;

System.out.println()

}

}

class Mango extends fruits{

int number=0;

public void numberofmango(int a){

number++

}

}

class Apple

class Fruit {

static int ac = 0 ;

static int mc = 0 ;

static void display(){

System.out.println("total fruit = "+(ac+mc)+" Apple count = "+ac+" mango count = "+mc);

}

}

class Apple{

static void aadd(){

Fruit.ac++ ;

}

}

class Mango {

static void madd(){

Fruit.mc++ ;

}

}

class Day5{

public static void main (String [] args){

for (int i = 1 ; i<5 ;i++){

Apple.aadd();

Mango.madd();

}

Fruit.display();

}

}