Class and Object

package Practise;

public class demo {

int x = 10;

public static void main(String[] args) {

demo myObj = new demo();

System.***out***.println(myObj.x);

}

}

Polymorphism

package Practise;

public class polymorphism {

public void animalSound() {

System.***out***.println("The animal makes a sound");

}

}

class Pig extends polymorphism {

public void animalSound() {

System.***out***.println("The pig says: wee wee");

}

}

class Dog extends polymorphism {

public void animalSound() {

System.***out***.println("The dog says: bow wow");

}

}

package Practise;

public class polymorphism2 {

public static void main(String[] args) {

polymorphism myAnimal = new polymorphism();

polymorphism myPig = new Pig();

polymorphism myDog = new Dog();

myAnimal.animalSound();

myPig.animalSound();

myDog.animalSound();

}

}

Inheritance

package Practise;

public class inheritance {

protected String fruit = "apple";

public void city() {

System.***out***.println("goa");

}

}

package Practise;

public class inheritance2 extends inheritance{

private String country = "India";

public static void main(String[] args) {

inheritance2 details = new inheritance2();

details.city();

System.***out***.println(details.fruit + " " + details.country);

}

}

Abstraction

package Practise;

abstract class Animal {

public abstract void animalSound();

public void sleep() {

System.***out***.println("zzz");

}

}

package Practise;

class fox extends Animal{

public void animalSound() {

System.***out***.println("The pig says: wee wee");

}

}

package Practise;

class Main {

public static void main(String[] args) {

fox myPig = new fox();

myPig.animalSound();

myPig.sleep();

}

}

Encapsulation

package Practise;

public class Encapsulation {

private String Name;

private int Roll;

private int Age;

public int getAge()

{

return Age;

}

public String getName()

{

return Name;

}

public int getRoll()

{

return Roll;

}

public void setAge( int newAge)

{

Age = newAge;

}

public void setName(String newName)

{

Name = newName;

}

public void setRoll( int newRoll)

{

Roll = newRoll;

}

}

package Practise;

public class Encapsulation2 {

public static void main (String[] args)

{

Encapsulation obj = new Encapsulation();

obj.setName("sonika");

obj.setAge(9);

obj.setRoll(42);

System.***out***.println("My name: " + obj.getName());

System.***out***.println("My age: " + obj.getAge());

System.***out***.println("My roll: " + obj.getRoll());

}

}