**ENCAPSULATION:**

package javaapplication4;

public class Person {

private String name;

public String getName(){

return name;

}

public void setName(String name){

this.name = name;

}

public static void main(String[] args) {

// TODO code application logic here

Person obj = new Person();

obj.setName("ali");

System.out.println(obj.getName());

}

}

**INHERITANCE:**

public class Animal {

void eat(){

System.out.println("an animal is eating...");

}

}

class Dog extends Animal{

void bark(){

System.out.println("dog is barking...");

}

}

class TestInheritance{

public static void main(String args[]){

Dog obj = new Dog();

obj.eat();

obj.bark();

}

}

**ABSTRACTION:**

abstract class Vehicle {

String bike;

abstract void run();

}

class Honda extends Vehicle{

void run(){

System.out.println("running safely");

}

public static void main(String args[]){

Vehicle obj = new Honda();

obj.run();

}

}

**POLYMORPHISM:**

public class Shape {

void draw(){

System.out.println("drawing...");

}

}

class Rectangle extends Shape{

void draw(){

System.out.println("drawing rectangle...");

}

}

class Circle extends Shape{

void draw(){

System.out.println("drawing circle...");

}

}

class TestPolymorphism{

public static void main(String args[]){

Shape s;

s=new Rectangle();

s.draw();

s=new Circle();

s.draw();

}

}

**AGGREGATION:**

public class Employee {

int id;

String name;

public Employee(int id, String name) {

this.id = id;

this.name = name;

}

void display(){

System.out.println(id+" "+name);

}

public static void main(String[] args) {

Employee ob = new Employee(123,"ali");

ob.display();

}

}