ENCAPSULATION:

Private and Protected not possible

PUBLIC, DEFAULT, FINAL CLASS:

Public/default/final class Encapsulation{

    //variables

    private String name;

    private int id;

    char gender = 'f';

    //public method

    public void getDetails(){

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

        System.out.println("id:"+id);

        System.out.println("gender:"+gender);

    }

    public void setDetails(String n, int i, char g){

        this.name = n;

        this.id = i;

        this.gender = g;

    }

}

public class EncapsulMain{

    public static void main(String []args){

        Encapsulation s1 = new Encapsulation();

        //s1.name="ali"; error

        //s1.gender='m';

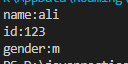
        s1.setDetails("ali",123,'m');

        s1.getDetails();

    }

}

OUTPUT:



ABSTRACT CLASS:

abstract class Encapsulation{

    //variables

    private String name;

    private int id;

    char gender = 'f';

    //public method

    public void getDetails(){

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

        System.out.println("id:"+id);

        System.out.println("gender:"+gender);

    }

    public void setDetails(String n, int i, char g){

        this.name = n;

        this.id = i;

        this.gender = g;

    }

}

public class EncapsulMain extends Encapsulation{

    public static void main(String []args){

        Encapsulation s1 = new EncapsulMain();

        //s1.name="ali"; error

        //s1.gender='m';

        s1.setDetails("ALIA",000,'F');

        s1.getDetails();

    }

}

OUTPUT:

