

1)

## Assignment-5

```
class BankAccount
```

```
{  
    public void displayBalance()  
    {  
        System.out.println("Your balances is 40000");  
    }  
    public void displayDetail()  
    {  
        System.out.println("Name:Arati Khamkar");  
        System.out.println("Address:pune");  
    }  
}
```

```
class customer extends BankAccount
```

```
{  
    public void SavingAmount()  
    {  
        System.out.println("Saving amount is 1000");  
    }  
}
```

```
class AccountDetails
```

```
{  
    public static void main(String args[])  
    {  
        BankAccount b=new BankAccount();  
        b.displayBalance();  
        b.displayDetail();  
  
        customer c=new customer();  
        c.SavingAmount();  
    }  
}
```

```

    }
}
2)
class Employee
{
    int Emp_id;
    String Emp_name;
    int Emp_salary;
    Employee(int id,String name,int sal)
    {
        Emp_id=id;
        Emp_name=name;
        Emp_salary=sal;
    }
    public void display()
    {
        System.out.println("Id: "+Emp_id);
        System.out.println("Name: "+Emp_name);
        System.out.println("Salary: "+Emp_salary);
    }
}

```

```

}
class Manager extends Employee
{
    int bouns;
    Manager(int id,String name,int sal,int bs)
    {
        super(id,name,sal);
        this.bouns=bs;
    }
    public void managerDetails()

```

```

        {
            System.out.println("Id: "+Emp_id);
            System.out.println("Name: "+Emp_name);
            System.out.println("Salary: "+Emp_salary);
            System.out.println("bouns: "+bouns);
        }

    }

class Worker extends Employee
{
    String grade;
    Worker(int id,String name,int sal,String gr)
    {
        super(id,name,sal);
        this.grade=gr;
    }
    public void WorkerDetails()
    {
        System.out.println("Id: "+Emp_id);
        System.out.println("Name: "+Emp_name);
        System.out.println("Salary: "+Emp_salary);
        System.out.println("grade: "+grade);
    }
}

class AllDetails
{
    public static void main(String args[])
    {
        Employee e=new Employee(101,"Arati",56000);
        e.display();
    }
}

```

```

        Manager m=new Manager(102,"pooja",42000,5300);

        m.managerDetails();


        Worker w=new Worker(103,"Swapnil",48000,"A+");

        w.WorkerDetails();

    }

}

```

Output:

```

D:\Assignment-5>javac AllDetails.java

D:\Assignment-5>java AllDetails
Id: 101
Name: Arati
Salary: 56000
Id: 102
Name: pooja
Salary: 42000
bouns: 5300
Id: 103
Name: Swapnil
Salary: 48000
grade: A+

```

3)

```
interface School
```

```
{
```

```
    void learing();
```

```
    void teaching();
```

```
}
```

```
class Student implements School
```

```
{
```

```
    int id=101;
```

```

String name="Arati";
int age=24;
public void learing()
{
    System.out.println("Enter the id:"+id);
    System.out.println("Enter the name:"+name);
    System.out.println("Enter the age:"+age);
    System.out.println("learing");
}

public void teaching()
{
    System.out.println(id+" "+name+" "+age);
    System.out.println("teaching");
}

}

class Teacher implements School
{
    int t_id=126;
    String name="pooja";
    int mob=25412;
    public void learing()
    {
        System.out.println("=====Teacher=====");
        System.out.println("Enter the id:"+t_id);
        System.out.println("Enter the name:"+name);
        System.out.println("Enter the mob:"+mob);
        System.out.println("learing");
    }

    public void teaching()
    {

```

```

        System.out.println(t_id+" "+name+" "+mob);
        System.out.println("teaching");
    }
}

class AnotherFun

{
    public static void main(String args[])
    {
        School sh;
        sh=new Student();
        sh.learing();
        sh.teaching();

        School sh1;
        sh1=new Teacher();
        sh1.learing();
        sh1.teaching();
    }
}

```

Output:

```
D:\Assignment-5>javac AnotherFun.java
```

```
D:\Assignment-5>java AnotherFun
```

```
Enter the id:101
```

```
Enter the name:Arati
```

```
Enter the age:24
```

```
learning
```

```
101 Arati 24
```

```
teaching
```

```
=====Teacher=====
```

```
Enter the id:126
```

```
Enter the name:pooja
```

```
Enter the mob:25412
```

```
learning
```

```
126 pooja 25412
```

```
teaching
```

4)

```
interface College
```

```
{
```

```
    public void displayDetail();
```

```
}
```

```
interface Exam
```

```
{
```

```
    public void displayExam();
```

```
}
```

```
class Student implements College,Exam
```

```
{
```

```
    int st_id=101;
```

```
    String name="Arati";
```

```
    int age=24;
```

```
    int marks1=52,marks2=86,marks3=88;
```

```
    double res;
```

```
    public void displayDetail()
```

```
    {
```

```

        System.out.println("id:"+st_id);
        System.out.println("name:"+name);
        System.out.println("age:"+age);
        System.out.println("marks1:"+marks1);
        System.out.println("marks2:"+marks2);
        System.out.println("marks3:"+marks3);

    }

    public void displayExam()
    {
        float per;
        int tot=marks1+marks2+marks3;
        per=(float)tot/3;
        System.out.println("Total Result:"+per);

    }
}

class Result
{
    public static void main(String args[])
    {
        Student obj=new Student();
        obj.displayDetail();
        obj.displayExam();

    }
}

```

Output:



```
D:\Assignment-5>javac Result.java

D:\Assignment-5>java Result
id:101
name:Arati
age:24
marks1:52
marks2:86
marks3:88
Total Result:75.333336
```

5)

interface Company

```
{
    public void displayDetails();
    public void displayAll();
}
```

class Employee implements Company

```
{
    int e_id=150;
    String e_name="Amol";
    int mob=1524;
    String address="pune";
    int salary;
    public void displayDetails()
    {
        System.out.println("id:"+e_id);
        System.out.println("name:"+e_name);
        System.out.println("mob:"+mob);
        System.out.println("address:"+address);
    }
    public void displayAll()
    {
```

```

        System.out.println(e_id+" "+e_name+" "+mob+" "+address);

        System.out.println("=====Total Salary=====");
    }
}

class Salary implements Company
{
    public void displayDetails ()
    {
        int tsal,csal=42000,psal=85000;
    }

    public void displayAll()
    {
        int tsal,csal=42000,psal=85000;

        tsal=csal+psal;

        System.out.println("clerk salary:"+csal);
        System.out.println("peon salary:"+psal);
        System.out.println("Total salary:"+tsal);
    }
}

class CalculateSal
{
    public static void main(String args[])
    {
        Company e;

        e=new Employee();

        e.displayDetails();

        e.displayAll();

        Company s;

        s=new Salary();

        s.displayDetails();

        s.displayAll();
    }
}

```

```
    }  
}
```

Output:

```
D:\Assignment-5>javac CalculateSal.java  
  
D:\Assignment-5>java CalculateSal  
id:150  
name:Amol  
mob:1524  
address:pune  
150 Amol 1524 pune  
=====Total Salary=====  
clerk salary:42000  
peon salary:85000  
Total salary:127000
```