

## Employee.java

```
package project;

public class Employee {
    //Achieving data hiding
    private int Eid;
    private String Ename;
    private int Esal;
    private String Edesignation;
    int a = 0;
    //for auto generation of id
    static int id = 99;
    //for counting total number of employees
    static int count = 0;

    Employee() {
    }

    Employee(int id, String name, int sal, String designation, int a) {

        this.Eid = id;
        this.Ename = name;
        this.Esal = sal;
        this.Edesignation = designation;
        //Welcome message for every employee
        System.out.println("Welcome to Company " + this.Ename);
        count++;
    }

    public int get_Eid() {
        return Eid;
    }

    public void set_Eid(int Eid) {
        this.Eid = Eid;
    }

    public String get_Edesignation() {
        return Edesignation;
    }

    public void set_Edesignation(String designation) {
        this.Edesignation = designation;
    }

    public void work() {
        System.out.println("Employee is working");
    }
}
```

## Developer.java

```
package project;

public class Developer extends Employee {
    Developer() {
    }
}
```

## SeniorDeveloper.java

```
package project;

public class SeniorDeveloper extends Developer {
    SeniorDeveloper() {
    }
}
```

```

//method to create object for Employee and adding employees to it also printing their
Id,designation and total number of senior developer
    public void HLD() {
        int a = 0;
        Employee e = new Employee(++id, "Harish", 78684287, "Senior developer", a++);
        System.out.println("Your company Id is: " + e.getId() + "    Your designation is " +
e.get_Edesignation());
        Employee e1 = new Employee(++id, "Shree", 876328763, "Senior developer", a++);
        System.out.println("Your company Id is: " + e1.getId() + "    Your designation is " +
e.get_Edesignation());
        System.out.println("Number of Senior Developer = " + a);
    }
}

```

## JuniorDeveloper.java

```

package project;

public class JuniorDeveloper extends Developer {

    JuniorDeveloper() {
    }
    //method to create object for Employee and adding employees to it also printing their
    Id,designation and total number of junior developer

    public void createCode() {
        int a = 0;
        Employee e = new Employee(++id, "Gopal", 78684287, "Junior developer", a++);
        System.out.println("Your company Id is: " + e.getId() + "    Your designation is " +
e.get_Edesignation());
        Employee e1 = new Employee(++id, "Parth", 876328763, "Junior developer", a++);
        System.out.println("Your company Id is: " + e1.getId() + "    Your designation is " +
e1.get_Edesignation());
        System.out.println("Number of Junior Developer = " + a);
    }
}

```

## Tester.java

```

package project;

public class Tester extends Employee{
    Tester()
    {
    }
}

```

## ManualTester.java

```

package project;

public class ManualTester extends Tester{

    ManualTester()
    {
    }
    //method to create object for Employee and adding employees to it also printing their
    Id,designation and total number of manual tester

    public void writeTC()
    {
        int a=0;
        Employee e4=new Employee(++id,"Neha",8745822,"Manual Tester",a++);
        System.out.println("Your company id is :"+e4. getId()+"    Your designation is
"+e4.get_Edesignation());
        Employee e5=new Employee(++id,"Shiv",87648,"Manual Tester",a++);
    }
}

```

```

        System.out.println("Your company id is :"+e5. get_Eid()+"    Your designation is
"+e5.get_Edesignation());
        System.out.println("Number of Manual Tester =" +a);
    }
}

```

## AutomationTester.java

```

package project;

public class AutomationTester extends Tester {
    AutomationTester() {
    }
    // method to create object for Employee and adding employees to it also
    // printing their Id,designation and total number of automation tester

    public void writeTS() {
        int a = 0;
        Employee e4 = new Employee(++id, "Neetu", 8745822, "Automation Tester", a++);
        System.out.println("Your company id is :" + e4.get_Eid() + "    Your designation is " +
e4.get_Edesignation());
        Employee e5 = new Employee(++id, "Saachi", 87648, "Automation Tester", a++);
        System.out.println("Your company id is :" + e5.get_Eid() + "    Your designation is " +
e5.get_Edesignation());
        System.out.println("Number of Automation Tester =" + a);
    }
}

```

## HR.java

```

package project;

public class HR extends Employee{
    HR(){
    }
}

```

## Recruiter.java

```

package project;

public class Recruiter extends HR{

    Recruiter(){
    }
    //method to create object for Employee and adding employees to it also printing their
    Id,designation and total number of recruiter

    public void hire() {
        int a=0;
        Employee e4=new Employee(++id,"Tanvi",8745822,"Recruiter",a++);
        System.out.println("Your company id is :"+e4. get_Eid()+"    Your designation is
"+e4.get_Edesignation());
        Employee e5=new Employee(++id,"Kiran",87648,"Recruiter",a++);
        System.out.println("Your company id is :"+e5. get_Eid()+"    Your designation is
"+e5.get_Edesignation());
        System.out.println("Number of Recruiter =" +a);
    }

}

```

## Demo.java

```
package project;

public class demo {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        SeniorDeveloper sr = new SeniorDeveloper();
        sr.HLD();
        System.out.println();
        System.out.println("-----");
        System.out.println();
        JuniorDeveloper jr = new JuniorDeveloper();
        jr.createCode();
        System.out.println();
        System.out.println("-----");
        System.out.println();
        ManualTester mt=new ManualTester();
        mt.writeTC();
        System.out.println();
        System.out.println("-----");
        System.out.println();
        AutomationTester at=new AutomationTester();
        at.writeTS();
        System.out.println();
        System.out.println("-----");
        System.out.println();
        Recruiter rt=new Recruiter();
        rt.hire();
        System.out.println();
        System.out.println("-----");
        System.out.println();
        System.out.println("Number of Employees in Company:"
+Employee.count);
    }
}
```