

## ASSIGNMENT NO 03

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```
import java.util.Scanner;
public class Main {
    public static void main(String[] args) {
        Scanner sh = new Scanner(System.in);
        String p, q, r, s,u,imp,password;
        double v;
        int ch,choice=0;
        password="6772";
        while (choice !=1) {

            System.out.println("1.programmer\n2.team_leader\n3.product_manager\n4.assistant_manager\n5.exit\nfrom the above given name whose salary slip do you want to see ");

            ch = sh.nextInt();
            if(ch>0 && ch<7) {
                switch (ch) {
                    case 1:
                        System.out.println("Please enter the name of the programmer:");
                        p = sh.nextLine();
                        sh.nextLine();
                        boolean isValid = p.matches("[a-zA-Z]+");

                        System.out.println("please enter the employee id of the programmer");
                        q = sh.nextLine();
                        boolean isValid1 = q.matches("[a-zA-Z]+");

                        while (!isValid1) {
                            System.out.println("Invalid Name. Please enter a valid ID:");
                            q = sh.nextLine();
                            isValid1 = q.matches("[a-zA-Z]+");
                        }

                        System.out.println("please enter the address of the programmer");
                        r = sh.nextLine();
                        boolean isValid2 = r.matches("[a-zA-Z]+");

                        while (!isValid2) {
                            System.out.println("Invalid Name. Please enter a valid ADDRESS:");
                            q = sh.nextLine();
                            isValid2 = q.matches("[a-zA-Z]+");
                        }

                        System.out.println("please enter the email id of the programmer");
                        s = sh.nextLine();
                        System.out.println("please enter the mobile number of the programmer");
                        u = sh.nextLine();
                        while(u.length()!=10){
```

```

        System.out.println("Invalid Number!!");
        System.out.println("please enter the valid mobile number");
        u=sh.nextLine();
    }

    System.out.println("please enter the baisc pay of the programmer");
    v = sh.nextDouble();

    programmer prog = new programmer(p, q, r, s, u, v);

    System.out.println("please enter the password to see Your Salary Slip");

    sh.nextLine();
    imp=sh.nextLine();

    if (imp.equals(password)) {
        prog.progsalaryslip();
    } else {
        System.out.println("Invalid PASSWORD. Please try again.");
    }
    break;

```

case 2:

```

    System.out.println("please enter the name of the team_leader");
    p = sh.nextLine();
    sh.nextLine();

    System.out.println("please enter the employee id of the team_leader");
    q = sh.nextLine();
    boolean isValid10 = q.matches("[a-zA-Z]+");

    while (!isValid10) {
        System.out.println("Invalid Name. Please enter a valid ID:");
        q = sh.nextLine();
        isValid10 = q.matches("[a-zA-Z]+");
    }

    System.out.println("please enter the address of the team_leader");
    r = sh.nextLine();
    boolean isValid9 = q.matches("[a-zA-Z]+");

    while (!isValid9) {
        System.out.println("Invalid Name. Please enter a valid ADRESS:");
        q = sh.nextLine();
        isValid9 = q.matches("[a-zA-Z]+");
    }

    System.out.println("please enter the email id of the team_leader");
    s = sh.nextLine();
    System.out.println("please enter the mobile number of the team_leader");
    u = sh.nextLine();
    while(u.length()!=10){

```

```

        System.out.println("Invalid Number!!");
        System.out.println("please enter the valid mobile number");
        u=sh.nextLine();
    }
    System.out.println("please enter the baisc pay of the team_leader");
    v = sh.nextDouble();

    team_lead te = new team_lead(p, q, r, s, u, v);

    System.out.println("please enter the password to see Your Salary Slip");

    sh.nextLine();
    imp=sh.nextLine();

    if (imp.equals(password)) {
        te.team_leadsalaryslip();
    } else {
        System.out.println("Invalid PASSWORD. Please try again.");
    }
    break;

```

case 3:

```

    System.out.println("please enter the name of the product_manager");
    p = sh.nextLine();
    sh.nextLine();

    System.out.println("please enter the employee id of the product_manager");
    q = sh.nextLine();
    boolean isValid7 = q.matches("[a-zA-Z]+");

    while (!isValid7) {
        System.out.println("Invalid Name. Please enter a valid ID:");
        q = sh.nextLine();
        isValid7 = q.matches("[a-zA-Z]+");
    }

    System.out.println("please enter the address of the product_manager");
    r = sh.nextLine();
    boolean isValid6 = q.matches("[a-zA-Z]+");

    while (!isValid6) {
        System.out.println("Invalid Name. Please enter a valid ADRESS:");
        q = sh.nextLine();
        isValid6 = q.matches("[a-zA-Z]+");
    }

    System.out.println("please enter the email id of the product_manager");
    s = sh.nextLine();
    System.out.println("please enter the mobile number of the product_manager");

```

```

u = sh.nextLine();
while(u.length()!=10){
    System.out.println("Invalid Number!!");
    System.out.println("please enter the valid mobile number");
    u=sh.nextLine();
}
System.out.println("please enter the baisc pay of the product_manager");
v = sh.nextDouble();

product_manager pm = new product_manager(p, q, r, s, u, v);

System.out.println("please enter the password to see Your Salary Slip");

sh.nextLine();
imp=sh.nextLine();

if (imp.equals(password)) {
    pm.product_managersalaryslip();
} else {
    System.out.println("Invalid PASSWORD. Please try again.");
}

break;

case 4:
    System.out.println("please enter the name of the assistant_manager");
    p = sh.nextLine();
    sh.nextLine();

    System.out.println("please enter the employee id of the assistant_manager");
    q = sh.nextLine();
    boolean isValid4 = q.matches("[a-zA-Z]+");

    while (!isValid4) {
        System.out.println("Invalid Name. Please enter a valid ID:");
        q = sh.nextLine();
        isValid4 = q.matches("[a-zA-Z]+");
    }

    System.out.println("please enter the address of the assistant_manager");
    r = sh.nextLine();
    boolean isValid3 = q.matches("[a-zA-Z]+");

    while (!isValid3) {
        System.out.println("Invalid Name. Please enter a valid ADRESS:");
        q = sh.nextLine();
        isValid3 = q.matches("[a-zA-Z]+");
    }

    System.out.println("please enter the email id of the assistant_manager");
    s = sh.nextLine();

```

```

System.out.println("please enter the mobile number of the assistant_manager");
u = sh.nextLine();
while(u.length()!=10){
    System.out.println("Invalid Number!!");
    System.out.println("please enter the valid mobile number");
    u=sh.nextLine();
}
System.out.println("please enter the baisc pay of the assistant_manager");
v = sh.nextDouble();

```

```

assistant_manager am = new assistant_manager(p, q, r, s, u, v);

```

```

System.out.println("please enter the password to see Your Salary Slip");
sh.nextLine();
imp=sh.nextLine();

```

```

if (imp.equals(password)) {
    am.assistant_managersalaryslip();
} else {
    System.out.println("Invalid PASSWORD. Please try again.");
}
break;

```

```

case 5:
    choice = 1;

```

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    }

```

```

}

```

```

else{
    System.out.println("please give correct input");
}

```

```

}

```

```

System.out.println("thanks for using salary calculator");
}

```

```

}

```

```

public class employee {
    String Emp_name,Emp_id,address,email_id,mobile_no;
    double ba,grosssalary,netsalary,da,hra,pf,staff_fund;

```

```

    public employee(String Emp_name,String Emp_id,String address,String email_id,String
mobile_no,double ba){
        this.address=address;
        this.email_id=email_id;
        this.Emp_id=Emp_id;
        this.Emp_name=Emp_name;
        this.mobile_no=mobile_no;
        this.ba=ba;
    }

    public void gross_salary(){
        da=0.97f *ba;
        hra=0.1f *ba;
        grosssalary=this.ba+da+hra;
        System.out.println("\n\ngross_salary is : "+ grosssalary);
        System.out.println("-----");
    }

    public void net_salary(){

        pf=0.12f *ba;
        staff_fund=0.001f *ba;

        netsalary=grosssalary-pf-staff_fund;
        System.out.println("\n\nnet_salary is : " +netsalary);
        System.out.println("-----");

    }
}

public class assistant_manager extends employee {

    public assistant_manager(String Emp_name, String Emp_id, String address, String email_id,
String mobile_no, double ba) {
        super(Emp_name, Emp_id, address, email_id, mobile_no, ba);
    }
    void assistant_managersalaryslip() {
        System.out.println("\n\n$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$ SALARY SLIP
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$\n");

        System.out.println("Employee id:"+Emp_id);
        System.out.println("Employee Email_id:"+Emp_id);

        gross_salary();
        net_salary();

        System.out.println("$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$\n\n");
    }
}

```

```
}
```

```
public class product_manager extends employee {
```

```
    public product_manager(String Emp_name, String Emp_id, String address, String email_id,  
String mobile_no, double ba) {  
        super(Emp_name, Emp_id, address, email_id, mobile_no, ba);  
    }
```

```
    void product_managersalaryslip() {  
        System.out.println("\n\n$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$ SALARY SLIP  
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$\n");
```

```
        System.out.println("Employee id:"+Emp_id);  
        System.out.println("Employee Email_id:"+Emp_id);
```

```
        gross_salary();  
        net_salary();
```

```
    System.out.println("$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$  
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$\n\n");  
}
```

```
}
```

```
public class programmer extends employee{
```

```
    public programmer(String Emp_name, String Emp_id, String address, String email_id, String  
mobile_no, double ba) {  
        super(Emp_name, Emp_id, address, email_id, mobile_no, ba);  
    }
```

```
    void progsalaryslip() {  
        System.out.println("\n\n$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$ SALARY SLIP  
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$\n");
```

```
        System.out.println("Employee id:"+Emp_id);  
        System.out.println("Employee Email_id:"+Emp_id);
```

```
        gross_salary();  
        net_salary();
```

```
    System.out.println("$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$  
$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$$\n\n");  
}
```

```
}
```

[illegible]