

## Assignment 2 :

3Edge Solutions recruits its employees through two processes: External Recruitment process and Employee Referral process. In the External Recruitment process, the applicants submit their personal and professional information for a position in the company. The applicants that short-listed are interviewed and the interviewer records the results of the interview, such as test scores, rating, and personal information of the applicant. In the Employee Referral process, employees refer the candidates for the given positions. Identify the various classes and their attributes. What are the various conventions that the class names follow?

Code:

```
import java.util.Scanner;

/*class NotSelectedExdeption extends RuntimeException{//creating user defined exception
    NotSelectedExdeption(String s){
        super(s);
    }
}*/

abstract class Recruitment {
    abstract void procedure();
}

class ExternalRp extends Recruitment{
    Scanner erp=new Scanner(System.in);
    static String submissionstatus,shortlistedstatus;
    int submission,passed;
    void procedure(){
        System.out.println("Submit your Personal and Professional Information for Desired Position ");
        System.out.println("Submission Status"+"\\n"+"1.Submitted"+"\\n"+"2.Not Submitted");

        submission=erp.nextInt();
        if(submission==1){ submissionstatus="Submitted";
            System.out.println("Submitted");
            System.out.println("Shortlisted?");
            passed=erp.nextInt();
            if(passed==1){
                shortlistedstatus="Shortlisted";
                //System.out.println("You are Shortlisted for interview");
                System.out.println("Results of interview are recorded");

                System.out.println(RecruitmentProcess.RecruitmentProcess+"\\n"+ExternalRp.submissionstatus+"\\n"+ExternalRp.shortlistedstatus);
            }
            else {
                try {
                    System.out.println(10/0);
                } catch (Exception e) {
                    System.out.println(e.getMessage());
                }
                //e.printStackTrace();
                System.out.println("Better luck next time");
            }
            //throw new NotSelectedExdeption("You are not Shortlisted");
        }
        } else if(submission==2){ submissionstatus="Not Submitted";
            System.out.println("Not Submitted");
        }
```

```

        System.out.println(RecruitmentProcess.RecruitmentProcess+"\n"+ExternalRp.submissionstatus);
    }

}

class EmployeeRp extends Recruitment{
    Scanner emrp=new Scanner(System.in);
    int submission;static String submittedstatus;
    void procedure(){
        System.out.println("Submit your Personal and Professional Information for Given Position");
        System.out.println("Submission Status"+"\\n"+"1.Submitted"+"\\n"+"2.Not Submitted");
        submission=emrp.nextInt();
        if(submission==1){submittedstatus="Submitted";
            System.out.println("Submitted");
            System.out.println("Interview");

        System.out.println(RecruitmentProcess.RecruitmentProcess+"\n"+EmployeeRp.submittedstatus);
        }else if(submission==2){submittedstatus="Submitted";
            System.out.println("Not Submitted");
        }

    }

}

public class RecruitmentProcess {
static String RecruitmentProcess;
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.println("Recruitment Process"+"\\n"+"1.ExternalRp"+"\\n"+"2.EmployeeRp");
        int Process = sc.nextInt();
        if (Process== 1) {
            Recruitment rp = new ExternalRp();
            RecruitmentProcess="External RecruitmentProcess ";
            rp.procedure();
        } else if (Process == 2) {//here inheritance is used we can say that as same object is used to call all
            Recruitment rp = new EmployeeRp();
            RecruitmentProcess="Employee Rreferal Process";
            rp.procedure();
        }

    }

}

```

the sub classes

Problems @ Javadoc Declaration Console

<terminated> RecruitmentProcess [Java Application] C:\Program Files\Java\jdk1.7.0\_79\bin\javaw.exe (:

Recruitment Process

1.ExternalRp

2.EmployeeRp

1

Submit your Personal and Professional Information for Desired Position

Submission Status

1.Submitted

2.Not Submitted

1

Submitted

Shortlisted?

1

Results of interview are recorded

External RecruitmentProcess

Submitted

Shortlisted