INDIAN INSTITUTE OF INFORMATION TECHNOLOGY NAGPUR

- COURSE : OOPS
- FACULTY : Prof. Milind penurkar

SECOND YEAR B.TECH THIRD SEMESTER MINI PROJECT SUBMISSION

- DATE : : 7-11-2022
- DEPARTMENT : COMPUTER SCIENCE AND ENGINEERING
- GROUP DETAILS: { Group No : 25 }

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Project Title : Institute application

Objective : To write an application to an institute which intakes
- all details of either students or staff and store it in a
- file.

Through this mini project we will be to :

a. Input the details of a new Student or worker or staff.
b. Check the eligibility of a student based on percentile.
c. Calculate the salary of staff and workers based on working hours and working experience and hide them.
d. Store the corresponding salary or eligibility criteria and store them in different file.

Used techniques: The project uses the basic concepts of Object Oriented Programming (OOP).We have used
1.) Inheritance 2.)Runtime Polymorphism
3.)Abstraction 4.)File Handling. 5.)Exception Handling .
The source code of the mini project is written in JAVA language.

SOURCE CODE ::

javaproject.java

```java
import java.io.FileInputStream;
import java.io.FileOutputStream;
import java.io.InputStream;
import java.io.ObjectInputStream;
import java.io.ObjectOutputStream;
import java.io.OutputStream;
import java.util.Scanner;
import java.io.Serializable;
import java.io.BufferedOutputStream;
import java.io.File;
import java.io.FileOutputStream;
import java.io.IOException;
import java.io.StringWriter;
import java.io.BufferedWriter;
class student{
    static int jeerollno;
    static float jeepercentile;
   static  int tenthpercentile;
   static  String address,email,schoolname,collegename,reqcou;
   static  String cse="cse",ece="ece";
   static  String cse1="cse_artificial_intelligence",cse2="cse_machine_learning",cse3="cse_graphics_game_design
   ",cse4="cse_computer_networking";
   static  String ece1="ece_robotics",ece2="ece_iot";
   static  int stuphonenumber;static int parphonenumber;
    static String stuname;
    student(int jeerollno,float jeepercentile,int tenthpercentile,String address,int stuphonenumber,int parphonenu
    mber,String email,String schoolname,String collegename,String stuname){
        this.jeerollno=jeerollno;
        this.jeepercentile=jeepercentile;
```

```
29          this.jeepercentile=jeepercentile;
30          this.tenthpercentile=tenthpercentile;
31          this.address=address;
32          this.stuphonenumber=stuphonenumber;
33          this.parphonenumber=parphonenumber;
34          this.email=email;
35          this.collegename=collegename;
36          this.schoolname=schoolname;
37          this.stuname=stuname;
38      }
39      int eligible(String reqcou){
40          this.reqcou=reqcou;
41          if(reqcou.equals(cse)){
42              if(jeepercentile>=90){
43                  return 1;
44              }
45              else{
46                  return 0;
47              }
48          }
49          else if(reqcou.equals(ece)){
50              if(jeepercentile>=88){
51                  return 1;
52              }
53              else{
54                  return 0;
55              }
56          }
```

```
57          return 0;
58      }
59  }
60  class student1 extends student{
61      static String sub_course;
62     static  String course;
63     static String cse1="cse_artificial_intelligence",cse2="cse_machine_learning",cse3="cse_graphics_game_desig
64     n",cse4="cse_computer_networking";
65      static String ece1="ece_robotics",ece2="ece_iot";
66      static String eligibility,eligibility_sub;
67      static float jeepercentile1;
68      student1(int jeerollno,float jeepercentile,int tenthpercentile,String address,int stuphonenumber,int parph
69      onenumber,String email,String schoolname,String collegename,String course,String sub_course,String stuname){
70          super(jeerollno,jeepercentile,tenthpercentile,address,stuphonenumber,parphonenumber,email,schoolname,c
71          ollegename,stuname);
72          this.course=course;
73          this.sub_course=sub_course;
74          jeepercentile1=jeepercentile;
75      }
76     // int subc=super.eligible(course);
77     static void eligibility_checking(){
78      if(course.equals("cse")){
79          if(jeepercentile1>=90){
80              if(sub_course.equals(cse1)){
81                  if(jeepercentile1>=97){
82                      eligibility_sub="eligible";
83                      eligibility="eligible";
84                  }
85                  else{
```

```
                eligibility_sub="not eligible";
                eligibility="eligible";
            }
        }
        else if(sub_course.equals(cse2)){
            if(jeepercentile1>=96){
                eligibility_sub="eligible";
                eligibility="eligible";
            }
            else{
                eligibility_sub="not eligible";
                eligibility="eligible";
            }
        }
        else if(sub_course.equals(cse3)){
            if(jeepercentile1>=95){
                eligibility_sub="eligible";
                eligibility="eligible";
            }
            else{
                eligibility_sub="not eligible";
                eligibility="eligible";
            }
        }
        else if(sub_course.equals(cse4)){
            if(jeepercentile1>=94){
                eligibility_sub="eligible";
                eligibility="eligible";
            }
```

```
            else{
                eligibility_sub="not eligible";
                eligibility="eligible";
            }
        }
    }
    else{
        eligibility="not eligible";
        eligibility_sub="not eligible";
    }
    }
    else{
        if(jeepercentile1>=88){
            if(sub_course.equals(ece1)){
            if(jeepercentile1>=94){
                eligibility_sub="eligible";
                eligibility="eligible";
            }
            else{
                eligibility_sub="not eligible";
                eligibility="eligible";
            }
        }
        else if(sub_course.equals(ece2)){
            if(jeepercentile1>=93){
                eligibility_sub="eligible";
                eligibility="eligible";
            }
            else{
```

```
                    eligibility_sub="not eligible";
                    eligibility="eligible";
                }
            }
            }
            else{
                eligibility="not eligible";
                eligibility_sub="not eligible";
            }
        }
    }
    }

class student2 extends student{
    static float jeepercentile1;
   static  String sub_course;
   static  String course;
    String cse1="cse_artificial_intelligence",cse2="cse_machine_learning",cse3="cse_graphics_game_design",
    cse4="cse_computer_networking";
    String ece1="ece_robotics",ece2="ece_iot";
    static String eligibility,eligibility_sub;
    student2(int jeerollno,float jeepercentile,int tenthpercentile,String address,int stuphonenumber,int par
    phonenumber,String email,String schoolname,String collegename,String course,String sub_course,String stuname){
        super(jeerollno,jeepercentile,tenthpercentile,address,stuphonenumber,parphonenumber,email,schoolname
        ,collegename,stuname);
        this.course=course;
        this.sub_course=sub_course;
        jeepercentile1=jeepercentile;
    }
```

```
173     static  void checking_hand(){
174       if(jeepercentile1>=10){
175           eligibility_sub="eligible";
176           eligibility="eligible";
177       }
178       else{
179           eligibility_sub="eligible";
180           eligibility="eligible";
181       }
182       }
183   }
184   abstract class staff{
185        int employeid;
186        String name;
187        int salary;
188        String place;
189        String category1;
190        String s1="nonteaching_staff";
191        String s2="teaching_staff";
192        String s3="worker";
193      public  staff(int employeid,String place,String name,String category){
194           this.employeid=employeid;
195           this.salary=salary;
196           this.place=place;
197           this.name=name;
198           category1=category;
199       }
200       abstract int Salarycal();
201       void set_sal(){
```

```
201     void set_sal(){
202         if(category1.equals(s1)){
203         salary=100000;
204     }
205          else if(category1.equals(s2)){
206         salary=200000;
207     }
208     else if(category1.equals(s3)){
209         salary=50000;
210     }
211     }
212     public int getsalary(){
213         return salary;
214     }
215     public void displaysalary(){
216         System.out.println(salary);
217     }
218     public String tostring(){
219         return "name of the employee:"+name +" employee id: "+employeid+" he is from:"+place;
220     }
221 }
222 class nonteaching_staff extends staff{
223     int working_hours;
224     int workingexp;
225     public nonteaching_staff(int employeid,String place,String name,int working_hours,String category,in
226     t working_experience){
227         super(employeid,place,name,category);
228         this.working_hours=working_hours;
```

```
229         this.workingexp=working_experience;
230     }
231     @Override public int Salarycal(){
232         set_sal();
233         int tempsal=getsalary();
234         int totalsal=tempsal*workingexp*(working_hours/2);
235         return totalsal;
236 
237     }
238     public void display(){
239         System.out.println(tostring() + "working experience: "+workingexp+"  working hours:"+working_hours);
240     }
241 }
242 class teaching_staff extends staff{
243     int working_hours;
244     int workingexp;
245     public teaching_staff(int employeid,String place,String name,int working_hours,String category,int w
246     orking_experience){
247         super(employeid,place,name,category);
248         this.working_hours=working_hours;
249         this.workingexp=working_experience;
250     }
251     @Override public int Salarycal(){
252         set_sal();
253         int tempsal=getsalary();
254         int totalsal=tempsal*workingexp*(working_hours/2);
255         return totalsal;
256 
257     }
```

```
258     public void display(){
259         System.out.println(tostring() + "working experience: "+workingexp+"  working hours:"+working_hours);
260     }
261 }
262 class worker extends staff{
263     int working_hours;
264     int workingexp;
265     public worker(int employeid,String place,String name,int working_hours,String category,int working_experience){
266         super(employeid,place,name,category);
267         this.working_hours=working_hours;
268         this.workingexp=working_experience;
269     }
270     @Override public int Salarycal(){
271         set_sal();
272         int tempsal=getsalary();
273         int totalsal=tempsal*workingexp*(working_hours/2);
274         return totalsal;
275 
276     }
277     public void display(){
278         System.out.println(tostring() + "working experience: "+workingexp+"  working hours:"+working_hours);
279     }
280 }
281 public class javaproject{
282      public static void teacstoreObject(teaching_staff ts){
283         try(FileOutputStream fos = new FileOutputStream("teastaff.txt");
284                 BufferedOutputStream bos = new BufferedOutputStream(fos)) {
285                     String data="\n";
286                     String data1="Name of staff:"+ts.name;
```

```
287                 String data2="    Place    :"+ts.place;
288                 String data3="Employe ID   :"+ts.employeid;
289                 String data4="Working hours:"+ts.working_hours;
290                 String data5="workingExperi:"+ts.workingexp;
291                 String data6="secret salary:"+ts.Salarycal();
292             byte[] bytes1 = data1.getBytes();
293             byte[] bytes=data.getBytes();
294             byte[] bytes2 = data2.getBytes();
295             byte[] bytes3 = data3.getBytes();
296             byte[] bytes4 = data4.getBytes();
297             byte[] bytes5 = data5.getBytes();
298             byte[] bytes6 = data6.getBytes();
299             bos.write(bytes1);
300             bos.write(bytes);
301             bos.write(bytes2);
302             bos.write(bytes);
303             bos.write(bytes3);
304             bos.write(bytes);
305             bos.write(bytes4);
306             bos.write(bytes);
307             bos.write(bytes5);
308             bos.write(bytes);
309             bos.write(bytes6);
310             bos.write(bytes);
311             bos.flush();
312             bos.close();
313             fos.close();
314             System.out.print("Data written to file successfully.");
315         } catch (IOException e) {
```

```
316             e.printStackTrace();
317         }
318     }
319     public static void nonteastoreObject(nonteaching_staff nts){
320        try(FileOutputStream fos = new FileOutputStream("nonteachingstaff.txt");
321                 BufferedOutputStream bos = new BufferedOutputStream(fos)) {
322                     String data="\n";
323                     String data1="Name of staff:"+nts.name;
324                     String data2="    Place    :"+nts.place;
325                     String data3="Employe ID   :"+nts.employeid;
326                     String data4="Working hours:"+nts.working_hours;
327                     String data5="workingExperi:"+nts.workingexp;
328                     String data6="secret salary:"+nts.Salarycal();
329             byte[] bytes1 = data1.getBytes();
330             byte[] bytes=data.getBytes();
331             byte[] bytes2 = data2.getBytes();
332             byte[] bytes3 = data3.getBytes();
333             byte[] bytes4 = data4.getBytes();
334             byte[] bytes5 = data5.getBytes();
335             byte[] bytes6 = data6.getBytes();
336             bos.write(bytes1);
337             bos.write(bytes);
338             bos.write(bytes2);
339             bos.write(bytes);
340             bos.write(bytes3);
341             bos.write(bytes);
342             bos.write(bytes4);
343             bos.write(bytes);
344             bos.write(bytes5);
```

```
345             bos.write(bytes);
346             bos.write(bytes6);
347             bos.write(bytes);
348             bos.flush();
349             bos.close();
350             fos.close();
351             System.out.print("Data written to file successfully.");
352         } catch (IOException e) {
353             e.printStackTrace();
354         }
355     }
356      public static void worstoreObject(worker wor){
357        try(FileOutputStream fos = new FileOutputStream("worker.txt");
358                 BufferedOutputStream bos = new BufferedOutputStream(fos)) {
359                     String data="\n";
360                     String data1="Name of staff:"+wor.name;
361                     String data2="    Place    :"+wor.place;
362                     String data3="Employe ID   :"+wor.employeid;
363                     String data4="Working hours:"+wor.working_hours;
364                     String data5="workingExperi:"+wor.workingexp;
365                     String data6="secret salary:"+wor.Salarycal();
366             byte[] bytes1 = data1.getBytes();
367             byte[] bytes=data.getBytes();
368             byte[] bytes2 = data2.getBytes();
369             byte[] bytes3 = data3.getBytes();
370             byte[] bytes4 = data4.getBytes();
371             byte[] bytes5 = data5.getBytes();
372             byte[] bytes6 = data6.getBytes();
373             bos.write(bytes1);
```

```
374             bos.write(bytes);
375             bos.write(bytes2);
376             bos.write(bytes);
377             bos.write(bytes3);
378             bos.write(bytes);
379             bos.write(bytes4);
380             bos.write(bytes);
381             bos.write(bytes5);
382             bos.write(bytes);
383             bos.write(bytes6);
384             bos.write(bytes);
385             bos.flush();
386             bos.close();
387             fos.close();
388             System.out.print("Data written to file successfully.");
389         } catch (IOException e) {
390             e.printStackTrace();
391         }
392     }
393     public static void student1obj(student1 stu1obj){
394         try(FileOutputStream fos = new FileOutputStream("student.txt");
395                 BufferedOutputStream bos = new BufferedOutputStream(fos)) {
396                     String data="\n";
397                     String data1="Name of student              :"+student1.stuname;
398                     String data2=" jeerollno                   :"+student1.jeerollno;
399                     String data3="jeepercentile                :"+student1.jeepercentile;
400                     String data4="tenth percentile             :"+student1.tenthpercentile;
401                     String data5="  address                    :"+student1.address;
402                     String data6="stuphonenumber               :"+student1.stuphonenumber;
```

```
403                 String data7="parent mobilenumber           :"+student1.parphonenumber;
404                 String data9="  email                       :"+student1.email;
405                String data10="  school name                  :"+student1.schoolname;
406                String data11="  college name                 :"+student1.collegename;
407                String data12="selected course               :"+student1.course;
408                String data13="selected specialization       :"+student1.sub_course;
409                student1.eligibility_checking();
410                String data14="eligibilty for course         :"+student1.eligibility;
411                String data15="eligibility for specialization:"+student1.eligibility_sub;
412             byte[] bytes1 = data1.getBytes();
413             byte[] bytes=data.getBytes();
414             byte[] bytes2 = data2.getBytes();
415             byte[] bytes3 = data3.getBytes();
416             byte[] bytes4 = data4.getBytes();
417             byte[] bytes5 = data5.getBytes();
418             byte[] bytes6 = data6.getBytes();
419             byte[] bytes7 = data7.getBytes();
420             byte[] bytes8 = data9.getBytes();
421             byte[] bytes9 = data10.getBytes();
422             byte[] bytes10 = data11.getBytes();
423             byte[] bytes11 = data12.getBytes();
424             byte[] bytes12 = data13.getBytes();
425             byte[] bytes13 = data14.getBytes();
426             byte[] bytes14 = data15.getBytes();
427             bos.write(bytes1);
428             bos.write(bytes);
429             bos.write(bytes2);
430             bos.write(bytes);
431             bos.write(bytes3);
```

```
            bos.write(bytes);
            bos.write(bytes4);
            bos.write(bytes);
            bos.write(bytes5);
            bos.write(bytes);
            bos.write(bytes6);
            bos.write(bytes);
            bos.write(bytes7);
            bos.write(bytes);
            bos.write(bytes8);
            bos.write(bytes);
            bos.write(bytes9);
            bos.write(bytes);
            bos.write(bytes10);
            bos.write(bytes);
            bos.write(bytes11);
            bos.write(bytes);
            bos.write(bytes12);
            bos.write(bytes);
            bos.write(bytes13);
            bos.write(bytes);
            bos.write(bytes14);
            bos.write(bytes);
            bos.flush();
            bos.close();
            fos.close();
            System.out.print("Data written to file successfully.");
        } catch (IOException e) {
            e.printStackTrace();
```

```
461         }
462     }
463     public static void student2obj(student2 stu1obj){
464         try(FileOutputStream fos = new FileOutputStream("handicapped_stu.txt");
465                 BufferedOutputStream bos = new BufferedOutputStream(fos)) {
466                     String data="\n";
467                     String data1="Name of student                :"+student2.stuname;
468                     String data2=" jeerollno                     :"+student2.jeerollno;
469                     String data3="jeepercentile                  :"+student2.jeepercentile;
470                     String data4="tenth percentile               :"+student2.tenthpercentile;
471                     String data5="  address                      :"+student2.address;
472                     String data6="stuphonenumber                 :"+student2.stuphonenumber;
473                     String data7="parent mobilenumber            :"+student2.parphonenumber;
474                     String data9="  email                        :"+student2.email;
475                    String data10="  school name                  :"+student2.schoolname;
476                    String data11="  college name                 :"+student2.collegename;
477                    String data12="selected course                :"+student2.course;
478                    String data13="selected specialization        :"+student2.sub_course;
479                    student2.checking_hand();
480                    String data14="eligibilty for course          :"+student2.eligibility;
481                    String data15="eligibility for specialization:"+student2.eligibility_sub;
482             byte[] bytes1 = data1.getBytes();
483             byte[] bytes=data.getBytes();
484             byte[] bytes2 = data2.getBytes();
485             byte[] bytes3 = data3.getBytes();
486             byte[] bytes4 = data4.getBytes();
487             byte[] bytes5 = data5.getBytes();
488             byte[] bytes6 = data6.getBytes();
489             byte[] bytes7 = data7.getBytes();
```

```
490             byte[] bytes8 = data9.getBytes();
491             byte[] bytes9 = data10.getBytes();
492             byte[] bytes10 = data11.getBytes();
493             byte[] bytes11 = data12.getBytes();
494             byte[] bytes12 = data13.getBytes();
495             byte[] bytes13 = data14.getBytes();
496             byte[] bytes14 = data15.getBytes();
497             bos.write(bytes1);
498             bos.write(bytes);
499             bos.write(bytes2);
500             bos.write(bytes);
501             bos.write(bytes3);
502             bos.write(bytes);
503             bos.write(bytes4);
504             bos.write(bytes);
505             bos.write(bytes5);
506             bos.write(bytes);
507             bos.write(bytes6);
508             bos.write(bytes);
509             bos.write(bytes7);
510             bos.write(bytes);
511             bos.write(bytes8);
512             bos.write(bytes);
513             bos.write(bytes9);
514             bos.write(bytes);
515             bos.write(bytes10);
516             bos.write(bytes);
517             bos.write(bytes11);
518             bos.write(bytes);
```

```
519             bos.write(bytes12);
520             bos.write(bytes);
521             bos.write(bytes13);
522             bos.write(bytes);
523             bos.write(bytes14);
524             bos.write(bytes);
525             bos.flush();
526             bos.close();
527             fos.close();
528             System.out.print("Data written to file successfully.");
529         } catch (IOException e) {
530             e.printStackTrace();
531         }
532     }
533     public static void main(String[] args){
534         Scanner input=new Scanner(System.in);
535         for(int i=0;i<10;i++){
536             System.out.println("enter which category application you want to appear\n1:student\n2:staff\n3:exit ");
537         int categoryinteger=input.nextInt();
538         switch(categoryinteger){
539         case 2:
540             System.out.println("please select to which category you belongs to\n1:teaching\n2:nonteachin
541             staff\n3:working\n");
542             int subselection=input.nextInt();
543             System.out.println("please enter the employeid,place,name,category,workinghours and working experience");
544             System.out.println("enter employee id\n");
545             int emid=input.nextInt();
546             System.out.println("enter the place of the employee\n");
547             String place=input.next();
```

```
548             System.out.println("enter the name of the person\n");
549             String name=input.next();
550             System.out.println("enter the category in the following astease---->\n1:teaching_staff\n2:
551             nonteaching_staff\n3:worker");
552             String category=input.next();
553             System.out.println("enter the working hours of employee\n");
554             int workinghours=input.nextInt();
555             System.out.println("enter the working experience\n");
556             int workingexp=input.nextInt();
557              if(subselection==1){
558                 teaching_staff stf=new teaching_staff(emid,place,name,workinghours,category,workingexp);
559                 teacstoreObject(stf);
560             }
561             else if(subselection==2){
562                 nonteaching_staff nstf=new nonteaching_staff(emid,place,name,workinghours,category,workingexp);
563                 nonteastoreObject(nstf);
564             }
565             else if(subselection==3){
566                 worker wor=new worker(emid,place,name,workinghours,category,workingexp);
567                 worstoreObject(wor);
568             }
569             break;
570         case 1:
571             System.out.println("enter the category of student \n1:physically handicapped\n2:others");
572             int sel=input.nextInt();
573             System.out.println("enter the name of the student");
574             String namestu=input.next();
575             System.out.println("enter the jee percentile");
576             float jeeper=input.nextInt();
```

```
577         System.out.println("enter the jee rollno");
578         int jeeroll=input.nextInt();
579         System.out.println("enter the tenth percentile");
580         int tenper=input.nextInt();
581         System.out.println("enter the home address");
582         String add=input.next();
583         System.out.println("enter student phone number");
584         int stupho=input.nextInt();
585         System.out.println("enter the parents phone number");
586         int parpho=input.nextInt();
587         System.out.println("enter the email of student");
588         String ema=input.next();
589         System.out.println("enter the school name");
590         String school=input.next();
591         System.out.println("enter the college name");
592         String clg=input.next();
593         System.out.println("enter the course you want to choose");
594         String cou=input.next();
595         System.out.println("enter the specialization you want to choose\n1:cse_artificial_intellige
596         nce\n2:cse_machine_learning\n3:cse_graphics_game_design\n4:cse_computer_networking\nif ece:\n1:ec
597         e_iot\n2:ece_robotics");
598         String couspe=input.next();
599         if(sel==1){
600             student2 stu2=new student2(jeeroll,jeeper,tenper,add,stupho,parpho,ema,school,clg,cou,couspe,namestu)
601             student2obj(stu2);
602         }
603         else{
604             student1 stu1=new student1(jeeroll,jeeper,tenper,add,stupho,parpho,ema,school,clg,cou,couspe,namestu)
605             student1obj(stu1);
```

```
606             }break;
607         default: i=10;
608     }
609 }
610 }}
```

Output ::

```
enter which category application you want to appear
1:student
2:staff
3:exit
1
enter the category of student
1:physically handicapped
2:others
1
enter the name of the student
xyz
enter the jee percentile
87
enter the jee rollno
8675
enter the tenth percentile
76
enter the home address
hkgck
enter student phone number
7859
enter the parents phone number
89543
enter the email of student
kulyhc
enter the school name
kytghcv
enter the college name
khfvc
enter the course you want to choose
cse
```

```
enter the specialization you want to choose
1:cse_artificial_intelligence
2:cse_machine_learning
3:cse_graphics_game_design
4:cse_computer_networking
if ece:
1:ece_iot
2:ece_robotics
cse_artificial_intelligence
Data written to file successfully.enter which category application you want to appear
1:student
2:staff
3:exit
2
please select to which category you belongs to
1:teaching
2:nonteachinstaff
3:working

1
please enter the employeid,place,name,category,workinghours and working experience
enter employee id

78956
enter the place of the employee

khgfv
enter the name of the person

yjfhgc
enter the category in the following astease---->
1:teaching_staff
2:nonteaching_staff
3:worker
2
enter the working hours of employee

23
enter the working experience

87
```

```
Data written to file successfully.enter which category application you want to appear
```

Taking next input:: after storing in file

```
1:student
2:staff
3:exit
1
enter the category of student
1:physically handicapped
2:others
2
enter the name of the student
kjhv
enter the jee percentile
98
enter the jee rollno
76
enter the tenth percentile
97
enter the home address
khgfcv
enter student phone number
9756
enter the parents phone number
965
enter the email of student
khgc
enter the school name
khgcv
enter the college name
jghc
enter the course you want to choose
cse
enter the specialization you want to choose
```

```
1:cse_artificial_intelligence
2:cse_machine_learning
3:cse_graphics_game_design
4:cse_computer_networking
if ece:
1:ece_iot
2:ece_robotics
cse_machine_learning
Data written to file successfully.enter which category application you want to appear
```

```
1:student
2:staff
3:exit
2
please select to which category you belongs to
1:teaching
2:nonteachinstaff
3:working

3
please enter the employeid,place,name,category,workinghours and working experience
enter employee id

9785
enter the place of the employee

khgv
enter the name of the person

kfcgh
enter the category in the following astease---->
1:teaching_staff
2:nonteaching_staff
3:worker
3
enter the working hours of employee

9
enter the working experience

16
```

```
Data written to file successfully.enter which category application you want to appear
```

```
1:student
2:staff
3:exit
2
please select to which category you belongs to
1:teaching
2:nonteachinstaff
3:working

1
please enter the employeid,place,name,category,workinghours and working experience
enter employee id

956
enter the place of the employee

kthgv
enter the name of the person

kyhgcv
enter the category in the following astease---->
1:teaching_staff
2:nonteaching_staff
3:worker
1
enter the working hours of employee

5
enter the working experience

6
```

You will be giving inputs till you want to exit by pressing exit case

```
Data written to file successfully.enter which category application you want to appear
1:student
2:staff
3:exit
3
```

Stores in files::

Main.java | handicapped_stu.txt | student.txt | teastaff.txt | worker.txt | nonteachingstaff.txt

```
1  Name of staff:kyhgc
2      Place     :kyghc
3  Employe ID    :785
4  Working hours:6
5  workingExperi:12
6  secret salary:3600000
7
```

Main.java | handicapped_stu.txt | student.txt | teastaff.txt | worker.txt | nonteachingstaff.txt

```
Name of staff:kgv
    Place    :kyhgcf
Employe ID   :765
Working hours:6
workingExperi:7
secret salary:1050000

```

Main.java | handicapped_stu.txt | student.txt | teastaff.txt | worker.txt | nonteachingstaff.txt

```
Name of staff:jgc
    Place    :kyhgc
Employe ID   :7865
Working hours:4
workingExperi:7
secret salary:2800000

```

Main.java | handicapped_stu.txt | student.txt | teastaff.txt | worker.txt

```
Name of student                 :kjhv
 jeerollno                      :76
jeepercentile                   :98.0
tenth percentile                :97
  address                       :khgfcv
stuphonenumber                  :9756
parent mobilenumber             :965
  email                         :khgc
  school name                   :khgcv
  college name                  :jghc
selected course                 :cse
selected specialization         :cse_machine_learning
eligibilty for course           :eligible
eligibility for specialization:eligible

```

Main.java | handicapped_stu.txt | student.txt | teastaff.txt | worker.txt

```
Name of student                 :xyz
 jeerollno                      :8675
jeepercentile                   :87.0
tenth percentile                :76
  address                       :hkgck
stuphonenumber                  :7859
parent mobilenumber             :89543
  email                         :kulyhc
  school name                   :kytghcv
  college name                  :khfvc
selected course                 :cse
selected specialization         :cse_artificial_intelligence
eligibilty for course           :eligible
eligibility for specialization:eligible

```