**SOURCE CODE**

**Main Package**

**package** main;

**import** java.util.\*;

**import** student.Acadinfo;

**import** student.StudentInfo;

**import** employee.Employeeinfo;

**public** **class** MainProgram

{

**static** Scanner *in* = **new** Scanner(System.***in***);

**public** **static** **void** main(String[] args)

{

**int** count = 0; **int** slot = 0;

System.***out***.print("How many students will you record? ");

slot = *in*.nextInt();

*in*.nextLine();

String student[][][] = **new** String [slot][2][7];

String employee[][] = **new** String [slot][3];

**boolean** repeater = **false**;

**do**

{

//For Student Details

System.***out***.print("Student name: "); //store name in student[0]

student[count][0][0] = *in*.nextLine(); //and so on..

System.***out***.print("Age: ");

student[count][0][1] = *in*.nextLine();

System.***out***.print("Gender: ");

student[count][0][2] = *in*.nextLine();

System.***out***.print("Adress: ");

student[count][0][3] = *in*.nextLine();

System.***out***.print("Contact Number: ");

student[count][0][4] = *in*.nextLine();

System.***out***.print("Father's name: ");

student[count][0][5] = *in*.nextLine();

System.***out***.print("Mother's name: ");

student[count][0][6] = *in*.nextLine();

//For Student Educational Info

System.***out***.print("Stundent #: ");

student[count][1][0] = *in*.nextLine();

System.***out***.println("Student Grade: ");

System.***out***.print("Quiz 1: ");

student[count][1][1] = *in*.nextLine(); //this must be converted to double for calculations

System.***out***.print("Quiz 2: ");

student[count][1][2] = *in*.nextLine();

System.***out***.print("Midterm: ");

student[count][1][3] = *in*.nextLine();

System.***out***.print("Final: ");

student[count][1][4] = *in*.nextLine();

System.***out***.println("Student Attendance");

System.***out***.print("Number of overall classes: ");

student[count][1][5] = *in*.nextLine();

System.***out***.print("Number of classes Attended: ");

student[count][1][6] = *in*.nextLine();

//For Employee Details

System.***out***.println("\nEMPLOYEE INPUT");

System.***out***.print("Employee's Name: ");

employee[count][0] = *in*.nextLine();

System.***out***.print("Designation: ");

employee[count][1] = *in*.nextLine();

System.***out***.print("Academic Position: ");

employee[count][2] = *in*.nextLine();

count++; //will increase student no. for corresponding slot

**if** (count < slot)

{

System.***out***.println("\nNext Student\n");

repeater = **true**;

}

**else**

{

repeater = **false**;

}

}

**while**(repeater == **true**);

System.***out***.println();

//loop here

**for** (count = 0; count < slot;)

{

StudentInfo.*Studentinfo*(count, student);

StudentInfo.*display\_student*(count, student);

Employeeinfo.*display\_Employee*(count, employee);

Acadinfo.*AcadInfo*(student, count);

Acadinfo.*displayEducDetails*(student, count);

count++;

**if** (count<slot)

System.***out***.println("\n\nNEXT STUDENT");

}

}

//Note: I cleared some unnecessary comments for the sake of the program's neatness.

//-Vem Aiensi

}

**Employee Package**

**package** employee;

**public** **class** Employeeinfo

{

**public** **static** **void** display\_Employee(**int** count, String employee[][])

{

System.***out***.println("\nEMPLOYEE'S DETAILS");

System.***out***.println("Employee Name: " + employee[count][0]);

System.***out***.println("Designation: " + employee[count][1]);

System.***out***.println("Academic Position: " + employee[count][2]);

}

}

**Student Package**

**Class: Acadinfo**

**package** student;

**import** java.text.DecimalFormat;

**public** **class** Acadinfo

{

**public** **static** **void** AcadInfo(String [][][] student, **int** count)

{

System.***out***.println("\nSTUDENT'S ACADEMIC DETAILS:");

System.***out***.println("Student Number: " + student[count][1][0]);

System.***out***.println("Student Grade\nQuiz 1: " + student[count][1][1]);

System.***out***.println("Quiz 2: " + student[count][1][2]);

System.***out***.println("Midterm: " + student[count][1][3]);

System.***out***.println("Final: " + student[count][1][4]);

System.***out***.println("Number of Attended Classes: " + student[count][1][6]);

}

**public** **static** **void** displayEducDetails(String [][][] student, **int** count)

{

DecimalFormat df = **new** DecimalFormat("#.00");

System.***out***.println("\nSTUDENT EDUCATIONAL STATUS");

System.***out***.println("Student Number: " + student[count][1][0]);

//quiz should have fixed value overall

**double** quiz1 = Double.*parseDouble*(student[count][1][1]); //100/100

**double** quiz2 = Double.*parseDouble*(student[count][1][2]);//100/100

**double** midterm =Double.*parseDouble*(student[count][1][3]);//100/100

**double** finl = Double.*parseDouble*(student[count][1][4]);//100/100

**double** averageGrade = ((quiz1+quiz2+midterm+finl)/400)\*100;

System.***out***.println("Student Average Grade: " + df.format(averageGrade) +"%");

**double** numberOfDays = Integer.*parseInt*(student[count][1][5]);

**double** attended = Integer.*parseInt*(student[count][1][6]);

**double** attendance = (attended/numberOfDays)\*100;

System.***out***.println("Student Attendance: " + df.format(attendance) +"%");

}

}

**Class: StudentInfo**

**package** student;

**public** **class** StudentInfo

{

**public** **static** **void** Studentinfo(**int** count ,String [][][] student)

{

System.***out***.println("Student no. " + (count+1));

//ok this will be the indicator of printing the Student's details

}

**public** **static** **void** display\_student(**int** count ,String [][][] student)

{

System.***out***.println("\nSTUDENT DETAILS");

System.***out***.println("Student Name: " + student[count][0][0]);

System.***out***.println("Student Age: " + student[count][0][1]);

System.***out***.println("Student Gender: " + student[count][0][2]);

System.***out***.println("Student Adress: " + student[count][0][3]);

System.***out***.println("Contact Number: " + student[count][0][4]);

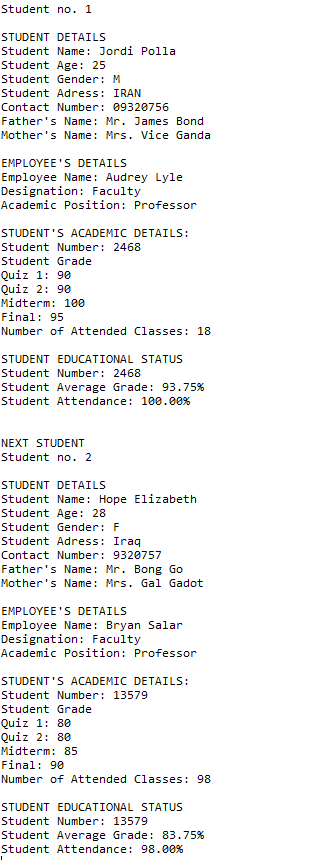
System.***out***.println("Father's Name: " + student[count][0][5]);

System.***out***.println("Mother's Name: " + student[count][0][6]);

}

}

**OUTPUT**

****