**This is the gradesDemo class**

**package** p4;

**import** java.util.Scanner;

**public** **class** GradeDemo

{

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

{

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

grades totalGrade = **new** grades (); // new object

totalGrade.initialize();

**for** (**int** i = 1; i <=5; i++)

{

totalGrade.getStudentInfo();

totalGrade.calculateGrade();

totalGrade.printStudentInfo();

totalGrade.printFinalgrade();

}

}

}//end class

Class Grades

**package** p4;

**import** java.util.Scanner;

**public** **class** grades

{

**private** String name;

**private** **int** quiz1;

**private** **int** quiz2;

**private** **int** midterm;

**private** **int** finalExam;

**private** **double** finalScore;

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

**public** **void** initialize ()

{

}

**public** **void** calculateGrade()

{

finalScore = ((quiz1+quiz2)\*1.25) + (midterm\*.25) + (finalExam\*.50);

**char** score;

}

**public** **void** getStudentInfo()

{

System.***out***.println( "Time to calculate your grade. Please tell me, what is your name?");

name = keyboard.nextLine();

String emtString = keyboard.nextLine();

System.***out***.println("What is your quiz 1 score out of 10?");

quiz1 = keyboard.nextInt();

System.***out***.println("What was your score for quiz 2 out of 10?");

quiz2 = keyboard.nextInt();

System.***out***.println("What was your score for your midterm out of 100?");

midterm = keyboard.nextInt();

System.***out***.println("What was your score for your final exam out of 100?");

finalExam = keyboard.nextInt();

}

**public** **void** printStudentInfo()

{

System.***out***.println("The student name is " + name);

System.***out***.println("Your quiz 1 grade is " + quiz1);

System.***out***.println("Your quiz 2 grade is " + quiz2);

System.***out***.println("Your midterm grade is " + midterm);

System.***out***.println("Your final exam grade is " + finalExam);

System.***out***.println("The final score for the student is " + finalScore);

}

**public** **void** printFinalgrade()

{

**if** (finalScore >= 90)

{ System.***out***.println("You get an A, Great Job!");

}

**else** **if** (finalScore >= 80)

{

System.***out***.println("You get a B.Nice Job!");

}

**else** **if** (finalScore >= 70)

{

System.***out***.println("You get a C, not bad but you can do better.");

}

**else** **if** (finalScore >= 60)

{ System.***out***.println("You get a D, more time needs to be spent studying.");

}

**else**

{

System.***out***.println("You got an F. Clearly some studying needs to be done.");

}

}

}