//Program to find th GPA of a group of students

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package project6;

import java.util.Scanner;

public class Project6 {

public static void main(String[] args) {

Scanner keyboard = new Scanner(System.in);

double pointsEarned, hoursTaken, totalHours = 0, totalPoints = 0, GPA = 0;

int noOfClasses;

String reply = "yes";

char letterGrade;

while (reply.equalsIgnoreCase("yes"))

{

pointsEarned = 0;

hoursTaken = 0;

System.out.println("how many classes did the student take ? ");

noOfClasses = keyboard.nextInt();

for(int i = 1; i < noOfClasses+1; i++){

totalHours = 0;

totalPoints = 0;

System.out.println("What was the LETTER grade for class "+i);

letterGrade = keyboard.next().charAt(0);

switch (letterGrade){

case 'A' : pointsEarned += 4;

break;

case 'B' : pointsEarned += 3;

break;

case 'C' : pointsEarned += 2;

break;

case 'D' : pointsEarned += 1;

break;

default: pointsEarned += 0;

break;

}

System.out.println("What was the credit hours in NUMBERS for class "+i);

hoursTaken += keyboard.nextDouble();

}

totalPoints += (pointsEarned \*hoursTaken);

totalHours += hoursTaken;

GPA = (totalPoints/totalHours);

System.out.println("Points : " + totalPoints);

System.out.println("Hours : " + totalHours);

System.out.println("The student's GPA is : " + GPA);

System.out.println("------------------------------------");

System.out.println("more students? Enter Yes or No");

reply = keyboard.next();

}

}

}

run:

how many classes did the student take ?

1

What was the LETTER grade for class 1

B

What was the credit hours in NUMBERS for class 1

3

Points : 9.0

Hours : 3.0

The student's GPA is : 3.0

------------------------------------

more students? Enter Yes or No

no

BUILD SUCCESSFUL (total time: 21 seconds)