Instructions

1. Prompt the user to enter the number of students in the class. This will be done in the main () method.
2. Next we will call the void method, by passing the number of students.
3. Use the void method to prompt the user for the number of tests each student takes out of 100.
4. We will be using nested while loop in the void function. To receive every test score.
5. Make sure to calculate the sum of every students total test sore.
6. We will use the total test score to figure out if the student’s letter grade.
7. We will use else if to find the letter grade of each student.
8. Finaly display how many students got A, B, C, D and F.

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COSC 236

Your name:Christian Seyoum

Description: how many students have a given grade

Filename:Lab7\_problem6

Date started:6/22/2018

Modification history:6/22/2018

Classes: main

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import java.util.\*;

public class Lab7\_Problem6

{

public static void main(String[] args)

{

int iStudent;

Scanner cin= new Scanner(System.in);

System.out.print("How many students do you have?");

iStudent = cin.nextInt();

fvStudent(iStudent);

}

//method will revive students are peramiter and loop

//based on the number of test and the number of students

public static void fvStudent(int piStudent)

{

//declaration

int iTest;

int iACount;

int iBCount;

int iCCount;

int iDCount;

int iFCount;

int iCount;

int iCounter;

double dSum;

double dPercent;

double dGrade;

//give value

iCount=1;

iACount=0;

iBCount=0;

iCCount=0;

iDCount=0;

iFCount=0;

//scanner

Scanner cs= new Scanner(System.in);

System.out.print("How many tests do each student take?");

iTest = cs.nextInt();

//loops

while (iCount <= piStudent)

{

System.out.println ("Student "+iCount+":");

iCounter=1;

dSum = 0;

dPercent = 0;

while (iCounter <= iTest)

{

System.out.print("\tTest out of 100 "+iCounter+":");

dGrade = cs.nextDouble();

dSum=dSum+dGrade;

iCounter++;

}

dPercent = dSum/(double) iTest;

if (dPercent >= 90)

{

iACount++;

}

else if (dPercent >= 80)

{

iBCount++;

}

else if (dPercent >= 70)

{

iCCount++;

}

else if (dPercent >= 60)

{

iDCount++;

}

else

{

iFCount++;

}

iCount++;

}

//output

System.out.println("Out of "+piStudent+" the number of A students are: "+iACount);

System.out.println("Out of "+piStudent+" the number of B students are: "+iBCount);

System.out.println("Out of "+piStudent+" the number of C students are: "+iCCount);

System.out.println("Out of "+piStudent+" the number of D students are: "+iDCount);

System.out.println("Out of "+piStudent+" the number of F students are: "+iFCount);

return;

}

}