Student grade task nested PF lab 5

/\* Create a program that calculates the final grade of a student based on multiple criteria,

including attendance, assignment scores, and exam results, using nested decision structures.

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#include <stdio.h>

int main()

{

int attendance;

//aS1 is for assignment score1

//aS2 is for assignment score2

//eR1 is for exam result 1

//eR2 is for exam result2

//avg1 is for assignment scores average and avg2 is for exam results average

float aS1,aS2,eR1,eR2,avg1,avg2;

printf("Enter attendance in percentage (e.g if you enter 50 it will be considered 50 percent)\n . : ");

scanf("%d",&attendance);

printf("Enter Assignment score of first assigment : you must enter value b/w (1-10) \n");

scanf("%f",&aS1);

printf("Enter Assignment score of second assigment : you must enter value b/w (1-10) \n");

scanf("%f",&aS2);

printf("Enter exam result of first exam , you must enter value b/w (1-50): \n");

scanf("%f",&eR1);

printf("Enter exam result of second exam: you must enter value b/w (1-50): \n");

scanf("%f",&eR2);

avg1 = (aS1+aS2)/2;

avg2 = (eR1+eR2)/2;

if((attendance>0 && attendance<101) && (aS1>0 && aS1<11) && (aS2>0 && aS2<11) && (eR1>0 && eR1<51) && (eR2>0 && eR2<51)){

if(avg1>=7 && avg2>=40){

if(attendance<75){

printf("You are not eligible to sit in exams, You are failed. ");

}

else{

printf("Congrats! you have secured A grade.");

}

}

else if(avg1>=5 && avg2>=35){

if(attendance<75){

printf("You are not eligible to sit in exams,You are failed. ");

}

else{

printf("not bad! you have secured B grade.");

}

}

else if(avg1>=4 && avg2>=27){

if(attendance<75){

printf("You are not eligible to sit in exams,You are failed. ");

}

else{

printf("Better luck next time! you have secured C grade.");

}

}

else{

printf("You are Fail. Be Focused Towards your studies");

}

}

else{

printf("Invalid input !");

}

return 0;

}

