GPA calculator code.

#include<stdio.h>

main()

{

float gpa, cgpa;

int gtotal=0, gcredsum=0;

char grade;

int credits, total, credsum, points;

char sub[10];

int i;

FILE \*fp;

for(i=1;i<=2;i++)

{

 total=0, credsum=0, points=0;

 if(i==1)

 fp=fopen("sem1.txt","r");

 else if(i==2)

 fp=fopen("sem2.txt","r");

fscanf(fp,"%s %c %d", sub, &grade, &credits);

while(!feof(fp))

{

   if (credits!=2)

   {

    switch(grade)

    {

     case 'S':

     points=10;

     break;

     case 'A':

     points=9;

     break;

     case 'B':

     points=8;

     break;

     case 'C':

     points=7;

     break;

     case 'D':

     points=6;

     break;

     case 'E':

     points=5;

     break;

     default:

     credits=0;

     break;

    }

   }

  if (credits==2)

  {

   if (grade=='F')

   credits=0;

   else

   points=10;

  }

printf("%s  %c %d\n", sub, grade,credits);

printf("%d\n",points);

total+=points\*credits;

credsum+=credits;

gtotal+=points\*credits;

gcredsum+=credits;

fscanf(fp,"%s %c %d", sub, &grade, &credits);

}

gpa= (float)total/credsum;

printf("gpa is %0.2f\n",gpa);

fclose(fp);

}

cgpa= (float)gtotal/gcredsum;

printf("cgpa is %0.2f\n",cgpa);

return 0;

}