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COURSE: CSC 206

MATRIC NO.: 19/SCI01/090

1./\*A program to determine whether a year is leap or not\*/

#include<stdio.h>

main()

{

 int year;

 printf("\nEnter Any year: ");

 scanf("%d", &year);

 float ans= year%4;

 if(ans==0)

 {

 printf("The year is a leap year", ans);

 }

 else

 {

 printf("The year is not a leap year", ans);

 }

 }

2./\*A program to determine whether the biggest in three numbers\*/

#include<stdio.h>

main()

{

 int num1;

 int num2;

 int num3;

 printf("Enter your first number: ");

 scanf("%d", &num1);

 printf("Enter your second number: ");

 scanf("%d", &num2);

 printf("Enter your third number: ");

 scanf("%d", &num3);

 if(num1>num2 && num1>num3)

 {

 printf("The first number is the biggest", num1);

 }

 if(num2>num1 && num2>num3)

 {

 printf("The second number is the biggest", num2);

 }

 else

 {

 printf("The third number is the biggest", num3);

 }

}

3./\*A program to calculate the grade, percentage, and the GPA of a students results\*/

#include<stdio.h>

main()

{

 float a;

 float b;

 float c;

 float d;

 float e;

 float f;

 float g;

 printf("\nInput Math score: \n");

 scanf("%f", &a);

 printf("Input English score: \n");

 scanf("%f", &b);

 printf("Input CSC202 score: \n");

 scanf("%f", &c);

 printf("Input CSC204 score: \n");

 scanf("%f", &d);

 printf("Input CSC208 score: \n");

 scanf("%f", &e);

 printf("Input CSC206 score: \n");

 scanf("%f", &f);

 printf("Input AFE202 score: \n");

 scanf("%f", &g);

 float ans= ((a+b+c+d+e+f+g)/700) \* 100;

 printf("\nYour percentage score is: %.1f", ans);

 if(ans<=100 && ans>=70)

 {

 grade point=4.0;

 printf("\nYou got an A");

 }

 else if(ans<=69 && ans>=60)

 {

 float grade point=3.0;

 printf("\nYou scored a B");

 }

 else if(ans<=59 && ans>=50 )

 {

 grade point=2.0;

 printf("\nYou scored a C");

 }

 else if(ans<=49 && ans>=40 )

 {

 float grade point=1.0;

 printf("\nYou scored a D");

 }

 else if(ans<=39)

 {

 grade point=0.0;

 printf("\nYou scored an F");

 }

 {

 float qp=(3\*grade point)+(3\*grade point)+(3\*grade point)+(3\*grade point)+(3\*grade point)+(3\*grade point)+(1\*grade point);

 float gpa=qp/19;

 printf("\nYour GPA is: %.1f", gpa);

 }

 }