**Question 1:**

Write a C program to check whether a year is leap of not

Answer

#include <stdio.h>

int main ()

{

int yr;

printf ("enter a year");

scanf ("%d", & yr);

if(yr%4)

{

if(yr%100)

{

if(yr%400)

printf ("\n it is not a leap year");

}

else

printf ("\n is a leap year");

}

if(yr%4) {

if(yr%100)

printf ("\n it is not a leap year");

}

else printf ("\n is a leap year");

return 0;

}

**Question 2**

Write a C program to find the maximum between 3 numbers

Answer

#include <stdio.h>

int main ()

{

int n1, n2, n3;

printf ("\n Enter any three different numbers");

scanf ("%d %d %d", &n1, &n2, &n3);

if(n1>n2) {

if(n1>n3);

printf ("%.d is the largest number", n1);

}

if (n2>n3) {

if (n2>n1);

printf ("%.d is the largest number", n2);

}

if (n3>n1) {

if (n3>n2);

printf ("%d is the largest number", n3);

}

return 0;

}

**Question 3**

Write a C program that calculates the GPA of a student and percentage

Answer

#include <stdio.h>

int main() {

char str[100], ch;

int i, grade[7];

float crd[7], gpa = 0.0, ttCrd = 0.0;

printf("Letter Grade and Credits for each subject:\n");

for (i = 0; i < 7; i++) {

printf("Subject %d(Grade|Credit):", i + 1);

ch = getchar();

grade[i] = ch;

scanf("%f", &crd[i]);

getchar();

}

printf("\nSubject | Grade | Credit\n");

for (i = 0; i < 7; i++) {

printf(" %d | %c | %.0f\n", i + 1, grade[i], crd[i]

);

}

for (i = 0; i < 5; i++) {

if (grade[i]) {

if (gpa = gpa + 10 \* crd[i]);

ttCrd = ttCrd + crd[i];

break;

if (gpa = gpa + 9 \* crd[i]);

ttCrd = ttCrd + crd[i];

break;

if (gpa = gpa + 8 \* crd[i]);

ttCrd = ttCrd+ crd[i];

break;

if (gpa = gpa + 7 \* crd[i]);

ttCrd = ttCrd + crd[i];

break;

if (gpa = gpa + 6 \* crd[i]);

ttCrd = ttCrd + crd[i];

break;

if (gpa = gpa + 5 \* crd[i]);

ttCrd = ttCrd + crd[i];

break;

if (gpa = gpa + 4 \* crd[i]);

ttCrd = ttCrd+ crd[i];

break;

}

}

printf ("GPA: %f\tcredit: %f\n", gpa, ttCrd);

gpa = gpa / ttCrd;

printf ("GPA for score: %f\n", gpa);

return 0;

}

**TO CALCULATE THE PERCENTAGE**

#include <stdio.h>

int main ()

{

float percentage;

int tmrk;

int scr;

printf ("put values for total mark");

scanf ("%d", & tmrk);

printf ("put values for score");

scanf ("%d", & scr);

percentage = (float)scr/ tmrk \* 100.0;

printf ("Percentage = %.f", percentage);

return 0;

}