**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;

}