

1. Write a C program to accept two integers and check whether they are equal or not.

Test Data : 15 15

Expected Output :

Number1 and Number2 are equal

3. Write a C program to check whether a given number is positive or negative.

Test Data : 15

Expected Output :

15 is a positive number

4. Write a C program to find whether a given year is a leap year or not.

Test Data : 2016

Expected Output :

2016 is a leap year.

5. Write a C program to read the age of a candidate and determine whether he is eligible to cast his/her own vote.

Test Data : 21

Expected Output :

Congratulation! You are eligible for casting your v

6. Write a C program to read the value of an integer m and display the value of n is 1 when m is larger than 0, 0 when m is 0 and -1 when m is less than 0.

Test Data : -5

Expected Output :

The value of n = -1

8. Write a C program to find the largest of three numbers.

Test Data : 12 25 52

Expected Output :

1st Number = 12, 2nd Number = 25, 3rd Number = 52

The 3rd Number is the greatest among three

10. Write a C program to determine eligibility for admission to a professional course based on the following criteria: [Go to the editor](#)

Eligibility Criteria : Marks in Maths ≥ 65 and Marks in Phy ≥ 55 and Marks in Chem ≥ 50 and Total in all three subject ≥ 190 or Total in Maths and Physics ≥ 140 ----- Input the marks obtained in Physics :65 Input the marks obtained in Chemistry :51 Input the marks obtained in Mathematics :72 Total marks of Maths, Physics and Chemistry : 188 Total marks of Maths and Physics : 137 The candidate is not eligible.

Expected Output :

The candidate is not eligible for admission.

12. Write a C program to read the roll no, name and marks of three subjects and calculate the total, percentage and division.

Test Data :

Input the Roll Number of the student :784

Input the Name of the Student :James

Input the marks of Physics, Chemistry and Computer Application : 70 80 90

Expected Output :

Roll No : 784

Name of Student : James

Marks in Physics : 70

Marks in Chemistry : 80

Marks in Computer Application : 90

Total Marks = 240

Percentage = 80.00

Division = First

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main.c

```
1 //to check the numbers are equal or not
2 #include<stdio.h>
3 int main()
4 {
5     int a=15;
6     int b=15;
7     if (a==b)
8     {
9         printf ("number1 and number2 are equal");
10    }
11    return 0;
12 }
```

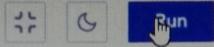


Output

```
/tmp/VOL9yPvkAF.o
number1 and number2 are equal
```

Programiz C Online Compiler

main.c



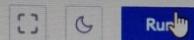
Run

Output

```
1 //to check the nature of number ie; positive and neagtive
2 #include<stdio.h>
3 int main()
4 {
5     int a=15;
6     if (a>0)
7     {
8         printf ("number is  is positive number");
9     }
10 else
11 {
12     printf (" number is negative ");
13 }
14 return 0;
15 }
```

/tmp/VOL9yPvkAF.o
number is is positive number

```
main.c
1 //to check the year is leap year or not
2 #include<stdio.h>
3 int main()
4 {
5     int a;
6     printf ("enter the year which would you like to check = ");
7     scanf ("%d",&a);
8     if (a%4==0)
9     {
10         printf ("leap year");
11     }
12     else
13     {
14         printf (" non leap year ");
15     }
16     return 0;
17 }
```



Run

Output

```
/tmp/PyMTMs7SF9.o
enter the year which would you like to check = 2016
leap year
```

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C Certificate

main.c

```
1 //c program to check eligibility to vote
2 #include<stdio.h>
3 int main()
4 {
5     int a;
6     printf ("enter the year which would you like to check = ");
7     scanf ("%d",&a);
8     if (a==18)
9     {
10         printf ("candidate is eligible for vote");
11     }
12     else
13     {
14         printf ("candidate is not eligible of vote ");
15     }
16     return 0;
17 }
```



Output

```
/tmp/PyMTMs7SF9.o
enter the year which would you like to check = 21
candidate is eligible for vote
```

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Programiz C Online Compiler

main.c

Run Output

Clear

```
1 int a;
2 int b;
3 int c;
4 int d;
5 int e;
6 printf ("enter physics marks =\n""enter marks of maths =
7 \n""enter marks of chemistry = \n");
8 scanf ("%d%d%d",&a,&b,&c);
9 d=a+b;
10 e=a+(b+c);
11 printf ("total marks in maths and physics =\n""%d\n",d);
12 printf ("total marks in all three subject =\n""%d\n\n\n",e);
13 printf ("final result \n\n");
14 if(b>=65&&a>=55&&c>=50&&e>=190&&d>=140)
15 {
16     printf ("candidate is eligible for admission\n\n");
17 }
18 else
19 {
20 }
```

/tmp/0qZm3QYPYW.o
enter physics marks =
enter marks of maths =
enter marks of chemistry =
65
72
51
total marks in maths and physics =
137
total marks in all three subject =
188

final result

candidate is not eligible for admission

main.c

Run

Output

```
4     int a;
5     char name[10];
6     float p;
7     float c;
8     float ca;
9     float sum;
10    float per;
11
12    printf ("enter rollno = \n""enter name = \n""enter
13        physics marks = \n""enter chemistry marks = \n""enter
14        computer application marks = \n");
15    scanf ("%d%s%f%f%f",&a,&name,&p,&c,&ca);
16    sum=(p)+c+ca;
17    per=(sum*100)/300;
18    printf ("total marks obtain = \n""%f\n",sum);
19    printf ("percentage obtain = \n""%f\n",per);
20    if(per>=80)
21    {
22        printf ("first division");
23    }
24    else
```

```
/tmp/wujEH8Ea3Z.o
enter rollno =
enter name =
enter physics marks =
enter chemistry marks =
enter computer application marks =
784
akash
70
80
90
total marks obtain =
240.000000
percentage obtain =
80.000000
first division
```