

C Basic (Assignment 1)

EX1: Write C Program to Find ASCII value of characters.

Output:

Enter a character: M

ASCII value of M: 77

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EX2: Write C Program to Swap two numbers.

Output:

Before swapping:

Enter value of x: 6.30

Enter value of y: 2.80

After swapping:

value of x: 2.80

value of y: 6.30

.....

EX3: Write C Program to check whether a number is Even or Odd.

Output 1:

Enter the number to check: 5

5 is Odd Number

Output 2:

Enter the number to check: 8

8 is Even Number

.....

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EX4: Write C Program to Find the Largest number Among three numbers and get the sum and average of these numbers.

Output:

Enter three numbers: 5.60 10.20 8.90

The largest number = 10.20

Sum = 24.70

Average = 8.23

.....

EX5: Write C Program to find Factorial of a Number.

Output1:

Enter the Number: 5

Factorial of 5 is = 120

Output2:

Enter the Number: -2

Error!! Factorial of Negative Number doesn't exist.

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EX6: Write C Program to Swap two numbers without temp variable.

Output 1:

Before swapping:

Enter value of x: 5.32

Enter value of y: 3.61

After swapping:

Enter value of x: 3.61

Enter value of y: 5.32

.....

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EX1: Evaluate the following expression.

m = ??

z = ??

```
#include <stdio.h>

int main()
{
    int x = 3 , z;
    float y = 1.5 , m;
    m = x/2 + x*4/x - x + y/3 ;
    printf("m = %0.2f\n" , m);
    z = m;
    printf("z = %d" , z);
    return 0;
}
```

EX2: predict the output of the following expression.

- $1 \ll 2+4 \ll 3 = ??$
- $256 \gg 2 = ??$

EX3: what is the value of x1 , x2

```
int x = 2;
printf("x1 = %d\n" , x++);
printf("x2 = %d\n" , ++x);
```

EX4: predict the output of this program.

```
#include <stdio.h>

int main()
{
    int x = 2 , y = 4 , z = 3 , f;
    f = z/x*x ;
    y = x++ + --y + ++x ;
    printf("x = %d \n y = %d \n f = %d" , x , y , f);
    return 0;
}
```