**Assignment - 2** **A Job Ready Bootcamp in C++, DSA and IOT MySirG**

**Operators in C Language**

1. ***Write a program to print unit digit of a given number***

#include<stdio.h>

int main()

{

int n,x;

printf("Enter a number");

scanf("%d",&n);

x=n%10;

printf("%d is unit digit ",x);

return 0;

}

1. ***Write a program to print a given number without its last digit***.

#include<stdio.h>

int main()

{

int n,x;

printf("Enter a number");

scanf("%d",&n);

x=n/10;

printf("%d",x);

return 0;

}

1. ***Write a program to swap values of two int variables***

#include<stdio.h>

int main()

{

int a=5,b=6,c;

c=a;//5

a=b;//6

b=c;//5

printf("a=%d b=%d",a,b);

return 0;

}

1. ***Write a program to swap values of two int variables without using a thir***

#include<stdio.h>

int main()

{

int a=5,b=6,c;

a=a+b;

b=a-b;

a=a-b;

printf("a=%d b=%d",a,b);

return 0;

}

1. ***Write a program to input a three-digit number and display the sum of the digits.***
2. ***Write a program which takes a character as an input and displays its ASCII code.***

**#include<stdio.h>**

**int main()**

**{**

**char ch;**

**printf("Enter any character");**

**scanf("%c",&ch);**

**printf("%d",ch);**

**return 0;**

**}**

7. Write a program to find the position of first 1 in LSB.

***8. Write a program to check whether the given number is even or odd using a bitwise***

***operator.***

#include<stdio.h>

int main()

{

int a,b;

printf("Enter two numbers");

scanf("%d%d",&a,&b);

if(a&b)

printf("number is odd");

else

printf("number is even");

return 0;

}

***9. Write a program to print size of an int, a float, a char and a double type variable***

#include<stdio.h>

int main()

{

int a;

float b;

char ch;

double c;

printf("Size of int:%d bytes\n",sizeof(a));

printf("Size of float:%d bytes\n",sizeof(b));

printf("Size of char:%d bytes\n",sizeof(ch));

printf("Size of double:%d bytes\n",sizeof(c));

return 0;

}

10. Write a program to make the last digit of a number stored in a variable as zero.

(Example - if x=2345 then make it x=2340)

11. Write a program to input a number from the user and also input a digit. Append a

digit in the number and print the resulting number. (Example - number=234 and

digit=9 then the resulting number is 2349)

12. Assume price of 1 USD is INR 76.23. Write a program to take the amount in INR and

convert it into USD.

13. Write a program to take a three-digit number from the user and rotate its digits by

one position towards the right