ASSIGNMENT - II 2

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

```
#include <stdio.h>
int main ()
{
    int num , s ;
    Printf(" Enter the number ");
    Scanf("%d", &num);
    s = num % 10;
    printf(" %d is unit digit number ", s);
    return 0;
}
```

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

```
#include <stdio.h>
int main ()
{
    int num , s ;
    Printf(" Enter the number: ");
    Scanf ("%d", &num);
    s = num / 10 ;
    Printf("%d", s);
    return 0;
}
```

3. Write a program to swap value of two int variables.

```
#include <stdio.h>
Int main ()
{
    // a = 10   b = 20
    // a = 20   b = 10
```

```
int a, b, temp;
Printf("Enter Two number: ");
Scanf("%d %d", &a, &b);
temp = a;
a = b;
b = temp;
Printf("%d %d", a, b);
return 0;
}
```

4. Write a Program to Swap the value of two int Variables without using third Variable.

```
#include <Stdio.h>
int main()
{
    int a, b;
    Printf("Enter two number");
    Scanf("%d %d", &a, &b);
    a = a+b;
    b = a-b;
    a = a-b;
    Printf("%d %d", a, b);
    return 0;
}
```

5. Write a program to input a three digit numbe and display the sum of the digits.

```
#include<Stdio.h>
int main()
{
    int x; Sum=0
    Printf("Enter three digit number");
    Scanf("%d", &x);
    while(x!=0)
```

```
{
    int y = x % 10
    sum = sum + y
  } x = x/10 ;
  Printf("sum of digits %d", sum);
}  return 0;
```

6. Write a Program which takes a Character as an input and display its ASCII code.

```
#include<stdio.h>
int main()
{
    Char ch;
    Printf("Enter a Character");
    Scanf("%c", &Char);
    Printf("ASCII is %d", ch);
    return 0;
}
```

7. Write a program to find the Position of 1 ~~in~~ LSB

```
#include<stdio.h>
int main()
{
    int x, result, count = 0;
    Printf("Enter a Number");
    while(x != 0)
    {
      result = x & 1;
      Count++;
      if(result == 1)
      { Printf(
        Printf("Position of 1 is %d", Count);
        break;
      }
      x = x >> 1;
    }
    return 0;
}
```

8. Write a program to Cheak whether the given number is even or odd closing the bitwise operator

```
#include <Stdio.h>
int main ()
{
  int x;
  Printf ("Enter a Number:");
  Scanf ("%d", &x);
  if (x & 1)
   {
     Printf ("Odd")
   }
  else
    {
      Printf (" Even");
    }
  return 0;
}
```

9. Write a program to print Size of an int, a float a Char, and double type Variable

```
#include <Stdio.h>
int main ()
{
   int x;
   Char ch;
   float f;
   double d;
   x = Size of (x);
   ch= Size of (ch);
   f = Size of (F);
   d = Size of (d);
   printf (" Size of int is %dn", x);
   Printf ("Size of Char is %c \n", ch);
   Printf (" Size of float is %f \n", f);
   printf ("Size of double is %d \n", d);
   return 0;
}
```

10. Write a Program to make the digit of number stored in a variable as zero.
(Ex:- If x = 2345 then make it x = 2340).

```
#include<stdio.h>
int main()
{
    int x, rem;
    Printf("Enter a Number");
    Scanf("%d", &);
    rem = x % 10
    x = x - rem
    Printf("The Number b8t digit zero is
                                %d", x);
    return 0;
}
```

11. Write a program to input a number from the user and also input a digit. Append the digit in the number and print the resulting number.
(Ex:- number = 234 and digit = 9 then the resulting number is 2349)

```
#include<stdio.h>
int main()
{
    int num, digit;
    Printf("Enter, Number:");
    Scanf("%d", &num);
    Printf("Enter a digit");
    Scanf("%d", &digit);
    Printf("Resulting number is %d %d", num, digit);
    return 0;
}
```

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

```
#include <stdio.h>
int main ()
{
  int amt ;, float usd ;
  Printf ("Enter Amount in INR:");
  Scanf ("%d, &amt");
  USD = (1/76.23) * amt
  Printf ("%d is USD is %.2F", amt, usd);
  return 0;
}
```

13. Write a program to take three digit number from the user and rotate its digits by one position towards the right.

```
#include <stdio.h>
int main ()
{
  int x;
  Printf ("Enter a Number");
  Scanf ("%d", &x);
  y = (x%10) * 100 + x/10
  Printf ("Rotate of %d is %d", x, y);
  return 0;
}
```

427

742