# Logic Building Assignment :  6

1. Write a program which accept number from user and display its digits in reverse order.

```
Input :     2395
Output :    5
            9
            3
            2


Input :     1018
Output :    8
            1
            0
            1

Input :     -1018
Output :    8
            1
            0
            1

Input :     9000
Output :    0
            0
            0
            9
```

```c
#include<stdio.h>

void DisplayDigit(int iNo)
{
    int iDigit = 0;

    if(_____)
    {
        iNo = -iNo;
    }

    while(_____)
    {
        iDigit = _____;
        printf("%d",iDigit);
        _____ = _____ / _____;
    }
```

```
}

int main()
{
    int iValue = 0;

    printf("Enter number");
    scanf("%d",&iValue);

    DisplayDigit(iValue);

    return 0;
}
```

2. Write a program which accept number from user and check whether it contains 0 in it or not.

```
Input :     2395
Output :    There is no Zero

Input :     1018
Output :    It Contains Zero

Input :     9000
Output :    It Contains Zero

Input :     10687
Output :    It Contains Zero
```

```
#include<stdio.h>

#define TRUE 1
#define FALSE 0

typedef int BOOL;

BOOL ChkZero(int iNo)
{
    // Logic
}

int main()
{
    int iValue = 0;
    BOOL bRet = FALSE;

    printf("Enter number");
```

```
        scanf("%d",&iValue);

        bRet = ChkZero(iValue);

        if(bRet == TRUE)
        {
                printf("It Contains Zero");
        }
        else
        {
                printf("There is no Zero")
        }

        return 0;
}
```

3. Write a program which accept number from user and count frequency of 2 in it.

Input :     2395
Output :    1

Input :     1018
Output :    0

Input :     9000
Output :    0

Input :     922432
Output :    3

```
#include<stdio.h>

int CountTwo(int iNo)
{
        // Logic
}

int main()
{
        int iValue = 0;
        int bRet = 0;

        printf("Enter number");
        scanf("%d",&iValue);

        iRet = CountTwo(iValue);
```

```
        printf("%d",iRet);

        return 0;
}
```

4. Write a program which accept number from user and count frequency of 4 in it.

```
Input  :    2395
Output :    0

Input  :    1018
Output :    0

Input  :    9440
Output :    2

Input  :    922432
Output :    1
```

```c
#include<stdio.h>

int CountFour(int iNo)
{
        // Logic
}

int main()
{
        int iValue = 0;
        int iRet = 0;

        printf("Enter number");
        scanf("%d",&iValue);

        iRet = CountFour(iValue);

        printf("%d",iRet);

        return 0;
}
```

5. Write a program which accept number from user and count frequency of such a digits which are less than 6.

```
Input  :    2395
Output :    3
```

Input :    1018
Output :   3

Input :    9440
Output :   3

Input :    96672
Output :   1

```c
#include<stdio.h>

int Count(int iNo)
{
    // Logic
}

int main()
{
    int iValue = 0;
    int iRet = 0;

    printf("Enter number");
    scanf("%d",&iValue);

    iRet = Count(iValue);

    printf("%d",iRet);

    return 0;
}
```