Assignment:7

Q.1 Write a program which accepts a number and print that number of $ and *.

Ans.

```c
#include<stdio.h>

void Display(int iVal)
{
    int iCnt=0;

    if(iVal<0)
    {
        iVal= -iVal;
    }

    for(iCnt=0;iCnt<=iVal;iCnt++)
    {
        printf("$\t""*\t");
    }
}

int main()
{
    int iNo=0;

    printf("Enter a number of times you want to print pattern\t");
    scanf("%d",&iNo);

    Display(iNo);

    return 0;
}
```

OUTPUT:

Q.2 Write a program which accepts a number and print numbers till that numbers.

Ans.

```c
#include<stdio.h>

void Display(int iVal)
{
    int iCnt=0;

    if(iVal<0)
    {
        for(iCnt=-1;iCnt>=iVal;iCnt--)
        {
            printf("%d\n",iCnt);
        }
    }

    else
    {
        for(iCnt=1;iCnt<=iVal;iCnt++)
        {
            printf("%d\n",iCnt);
        }
    }
```
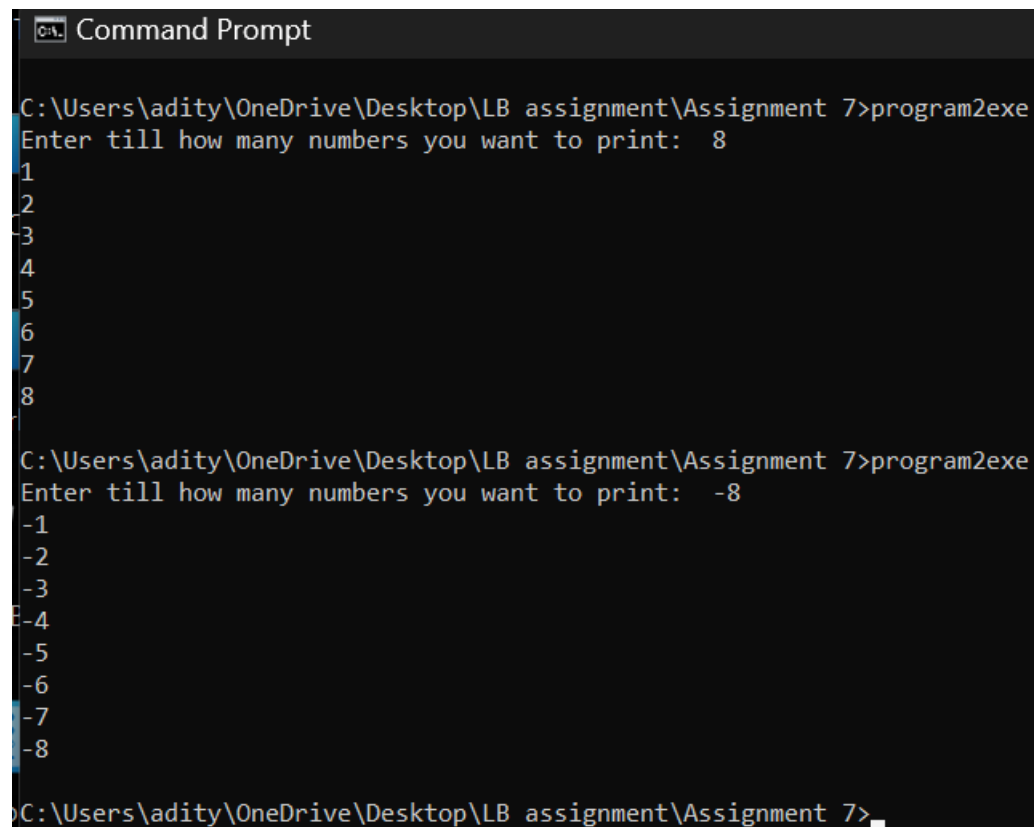
```
}

int main()
{
    int iNo=0;

    printf("Enter till how many numbers you want to print:\t");
    scanf("%d",&iNo);

    Display(iNo);
    return 0;
}
```

OUTPUT:

```
Command Prompt

C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 7>program2exe
Enter till how many numbers you want to print:  8
1
2
3
4
5
6
7
8

C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 7>program2exe
Enter till how many numbers you want to print:  -8
-1
-2
-3
-4
-5
-6
-7
-8

C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 7>
```

Q.3 Write a program which accepts a number and print that numbers line.

Ans.

```c
#include<stdio.h>
void Display(int iVal)
{
    int iCnt=0;
    if(iVal<0)
    {
        iVal=-iVal;
    }

    for(iCnt=(-iVal);iCnt<=iVal;iCnt++)
        {
            printf("%d\t",iCnt);
        }
}


int main()
{
    int iNo=0;

    printf("Enter a number you want to print full line:\t");
    scanf("%d",&iNo);

    Display(iNo);

    return 0;
}
```
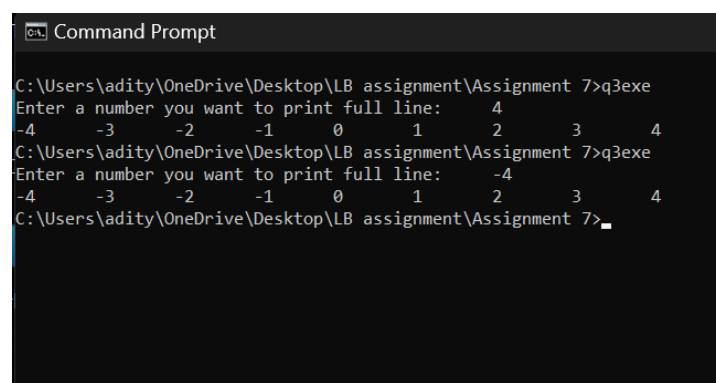
OUTPUT:

```
Command Prompt

C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 7>q3exe
Enter a number you want to print full line:     4
-4      -3      -2      -1      0       1       2       3       4
C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 7>q3exe
Enter a number you want to print full line:     -4
-4      -3      -2      -1      0       1       2       3       4
C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 7>
```

Q.4 Write a program which accepts a number and print all odd numbers till that number.

Ans.

```c
#include<stdio.h>

void Display(int iVal)
{
    int iCnt=0;

    if(iVal<0)
    {
        for(iCnt=-1;iCnt>=iVal;iCnt--)
        {
            if(iCnt%2!=0)
            {
                printf("%d\n",iCnt);
            }
        }
    }
    else
    {
        for(iCnt=1;iCnt<=iVal;iCnt++)
        {
            if(iCnt%2!=0)
            {
             printf("%d\n",iCnt);
            }
        }
    }
}

int main()
{
    int iNo=0;

    printf("Enter till how many numbers you want to print:\t");
    scanf("%d",&iNo);

    Display(iNo);
    return 0;
}
```

OUTPUT:

```
Command Prompt

C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 7>q4exe
Enter till how many numbers you want to print:   18
1
3
5
7
9
11
13
15
17

C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 7>q4exe
Enter till how many numbers you want to print:   -18
-1
-3
-5
-7
-9
-11
-13
-15
-17

C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 7>
```

Q.5 Write a program which accepts a number and print 5 multiples of that number.

Ans.

```c
#include<stdio.h>

void Display(int iVal,int iMul)
{
    int iCnt=0,iTemp=0;

    for(iCnt=1;iCnt<=iMul;iCnt++)
    {
        iTemp=iVal*iCnt;

        printf("%d\t",iTemp);
    }
}

int main()
{
    int iNo=0,iMul=0;

    printf("Enter a number you want to print multiples:\t");
```
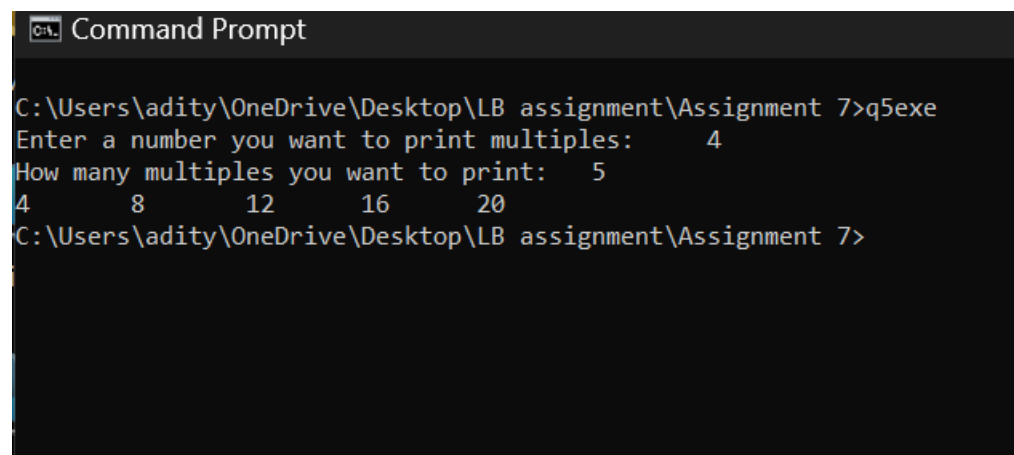
```c
    scanf("%d",&iNo);

    printf("How many multiples you want to print:\t");
    scanf("%d",&iMul);

    Display(iNo,iMul);

    return 0;
}
```

OUTPUT:

Command Prompt

```
C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 7>q5exe
Enter a number you want to print multiples:    4
How many multiples you want to print:    5
4       8       12      16      20
C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 7>
```