

Assignment:18

Q.1 Accept number from user and display below pattern.

Ans.

```
#include<stdio.h>

void Display(int iVal)
{
    int iCnt=0;
    char ch='A';

    for(iCnt=1;iCnt<=iVal;iCnt++)
    {
        printf("%c\t",ch);
        ch++;
    }
}

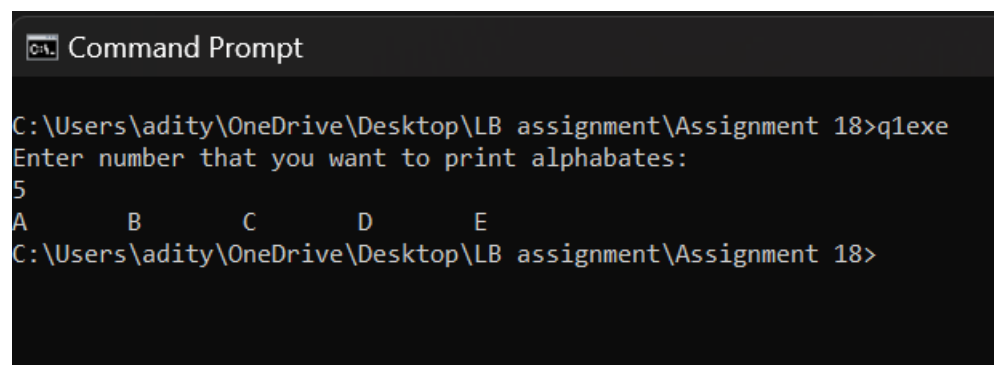
int main()
{
    int iNo=0;

    printf("Enter number that you want to print alphabates:\n");
    scanf("%d",&iNo);

    Display(iNo);

    return 0;
}
```

OUTPUT:



```
Command Prompt

C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 18>q1.exe
Enter number that you want to print alphabates:
5
A      B      C      D      E
C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 18>
```

Q.2 Accept a number and print reverse numbered pattern 'n #'.

Ans.

```
#include<stdio.h>

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

    for(iCnt=iVal;iCnt>0;iCnt--)
    {
        printf("%d\t#\t",iCnt);
    }
}

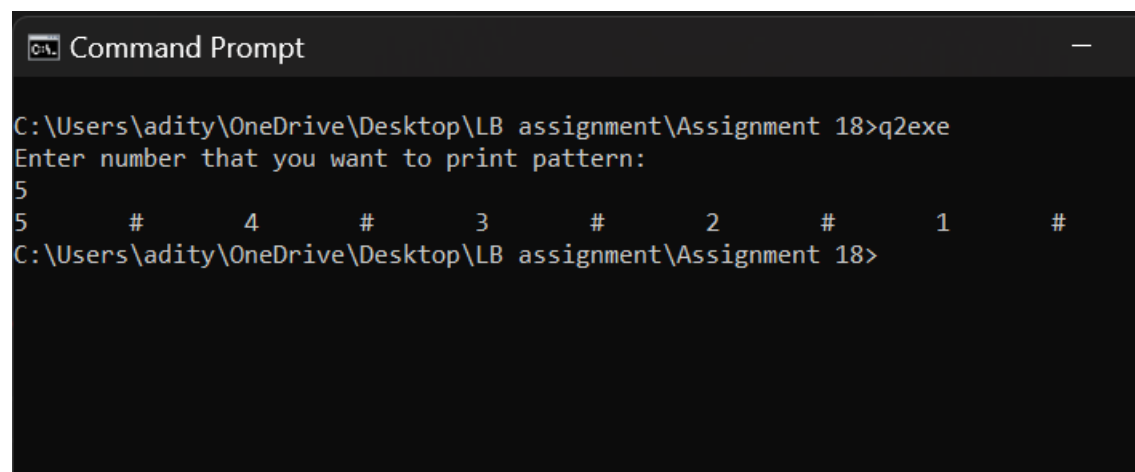
int main()
{
    int iNo=0;

    printf("Enter number that you want to print pattern:\n");
    scanf("%d",&iNo);

    Display(iNo);

    return 0;
}
```

OUTPUT:



```
Command Prompt

C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 18>q2exe
Enter number that you want to print pattern:
5
5      #      4      #      3      #      2      #      1      #
C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 18>
```

Q.3 Accept number from user and print 'n *' .

Ans.

```
#include<stdio.h>

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

    for(iCnt=1;iCnt<=iVal;iCnt++)
    {
        printf("%d\t*\t",iCnt);
    }
}

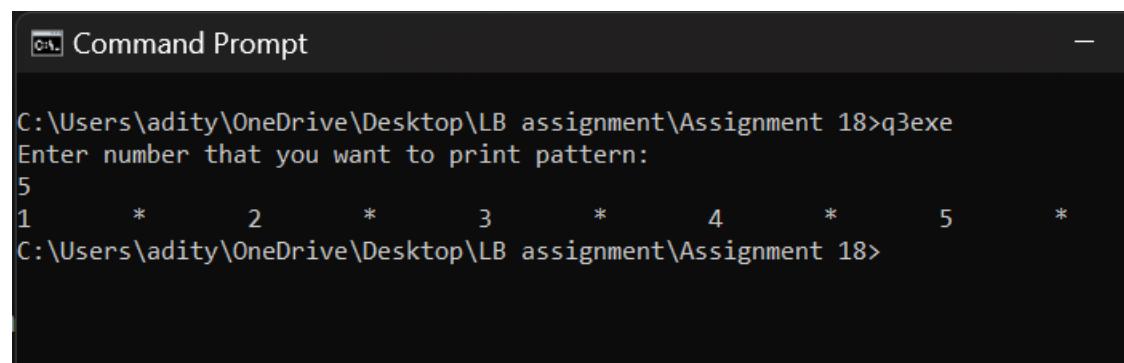
int main()
{
    int iNo=0;

    printf("Enter number that you want to print pattern:\n");
    scanf("%d",&iNo);

    Display(iNo);

    return 0;
}
```

OUTPUT:



```
Command Prompt
C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 18>q3exe
Enter number that you want to print pattern:
5
1      *      2      *      3      *      4      *      5      *
C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 18>
```

Q.4 Accept number and print 'n #' pattern.

Ans.

```
#include<stdio.h>

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

    for(iCnt=1;iCnt<=iVal;iCnt++)
    {
        printf("#\t%d\t*\t",iCnt);
    }
}

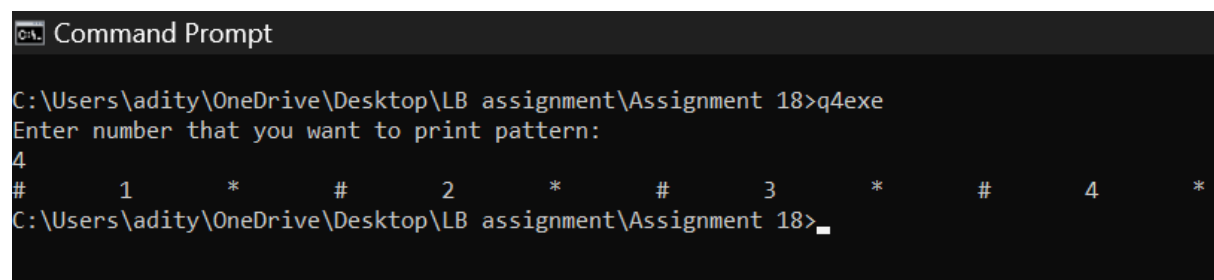
int main()
{
    int iNo=0;

    printf("Enter number that you want to print pattern:\n");
    scanf("%d",&iNo);

    Display(iNo);

    return 0;
}
```

OUTPUT:



```
Command Prompt
C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 18>q4exe
Enter number that you want to print pattern:
4
#      1      *      #      2      *      #      3      *      #      4      *
C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 18>
```

Q.5 Accept number and print even numbered pattern.

Ans.

```
#include<stdio.h>

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

    for(iCnt=2;iCnt<=iVal*2;iCnt+=2)
    {
        printf("%d\t",iCnt);
    }
}

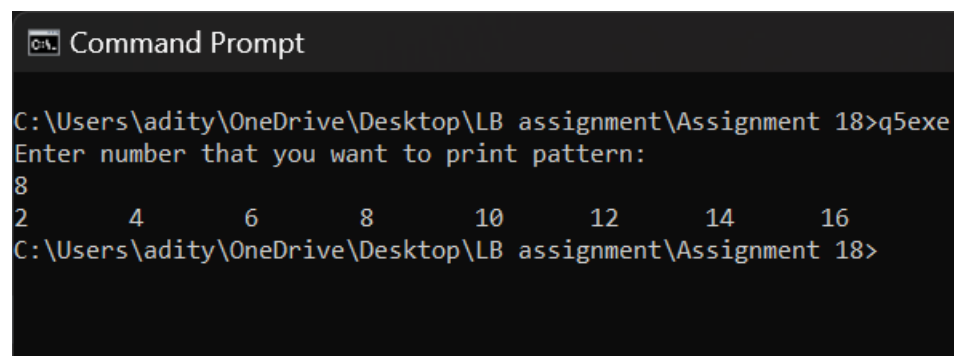
int main()
{
    int iNo=0;

    printf("Enter number that you want to print pattern:\n");
    scanf("%d",&iNo);

    Display(iNo);

    return 0;
}
```

OUTPUT:



```
C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 18>q5exe
Enter number that you want to print pattern:
8
2      4      6      8      10     12     14     16
C:\Users\adity\OneDrive\Desktop\LB assignment\Assignment 18>
```