Logic Building Assignment : 6

Create separate visual Studio project for each problem statement separately.
Calculate Time Complexity of each program.

1. Write a program which accept number from user and print that number of $ & *
   on screen.

Input :   5

Output : $ * $ * $ * $ * $ *

Input :   3

Output : $ * $ * $ *

Input :   -3

Output : $ * $ * $ *

```c
#include<stdio.h>

void Pattern(int iNo)
{
  // Logic
}

int main()
{
  int iValue = 0;
  printf("Enter number");
  scanf("%d",&iValue);

  Pattern(iValue);
```

```
  return 0;

}
```

2.Write a program which accept number from user and print numbers till that number.

Input :   8

Output :   1   2   3   4   5   6   7   8

```c
#include<stdio.h>

void Display(int iNo)
{
  // Logic
}

int main()
{
   int iValue = 0;
   printf("Enter number");
   scanf("%d",&iValue);

   Display(iValue);

   return 0;
}
```

3. Write a program which accept number from user and print its numbers line.

Input :   4

Output :   -4   -3   -2   -1   0   1   2   3   4

```c
#include<stdio.h>
```

```c
void Display(int iNo)
{
  // Logic
}


int main()
{
  int iValue = 0;
  printf("Enter number");
  scanf("%d",&iValue);

  Display(iValue);

  return 0;
}
```

4. Write a program which accepts N from user and print all odd numbers up to N.

Input :   18

Output :   1   3   5   7   9   11   13

```c
#include<stdio.h>

void OddDisplay(int iNo)
{
  // Logic
}

int main()
```

```c
{
  int iValue = 0;
  printf("Enter number");
  scanf("%d",&iValue);

  OddDisplay(iValue);

  return 0;
}
```

5. Write a program which accept N and print first 5 multiples of N.

Input :   4

Output :   4   8   12   16   20

```c
#include<stdio.h>

void MultipleDisplay(int iNo)
{
  // Logic
}

int main()
{
  int iValue = 0;
  printf("Enter number");
  scanf("%d",&iValue);
  MultipleDisplay(iValue);
  return 0;
}
```