

Logic Building Assignment : 7

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 : \$ * \$ * \$ *

```
#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

```
#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

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

```
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

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

```
void OddDisplay(int iNo)
```

```
{  
    // Logic  
}
```

```
int main()
```

```
{  
    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

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

```
void MultipleDisplay(int iNo)
```

```
{  
    // Logic  
}
```

```
int main()
```

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