# Assignment - 5

## A Job Ready Bootcamp in C++, DSA and IOT MySirG More on Iterative Control Statements

1. Write a program to print MySirG N times on the screen

```c
#include<stdio.h>
int main()
{
    int n, i;
    printf("Enter N:");
    scanf("%d",&n);
    for ( i = 0; i < n; i++)
    {
        printf("\nMySirG");
    }
}
```

2. Write a program to print the first N natural numbers.

```c
#include<stdio.h>
int main()
{
    int n, i;
    printf("Enter N:");
    scanf("%d",&n);
    for ( i = 1; i < n+1; i++)
    {
        printf("\n%d",i);
    }
}
```

3. Write a program to print the first N natural numbers in reverse order

```c
#include<stdio.h>
int main()
{
    int n, i;
```

```c
    printf("Enter N:");
    scanf("%d",&n);
    for ( i = n; i > 0; i--)
    {
        printf("\n%d",i);
    }
}
```

4. Write a program to print the first N odd natural numbers

```c
#include<stdio.h>
int main()
{
    int n, i;
    printf("Enter N:");
    scanf("%d",&n);
    for ( i = 1; i < n+1; i++)
    {
        printf("\n%d",i*2-1);
    }
```

```c
}


5. Write a program to print the first N odd natural numbers in
reverse order.


#include<stdio.h>
int main()
{
    int n, i;
    printf("Enter N:");
    scanf("%d",&n);
    for ( i = n; i > 0; i--)
    {
        printf("\n%d",i*2-1);
    }
}



6. Write a program to print the first N even natural numbers
```

```c
#include<stdio.h>
int main()
{
    int n, i;
    printf("Enter N:");
    scanf("%d",&n);
    for ( i = 1; i < n+1; i++)
    {
        printf("\n%d",i*2);
    }
}
```

7. Write a program to print the first N even natural numbers in reverse order

```c
#include<stdio.h>
int main()
{
    int n, i;
    printf("Enter N:");
```

```c
    scanf("%d",&n);
    for ( i = n+1; i > 0; i--)
    {
        printf("\n%d",i*2);
    }
}
```

8. Write a program to print squares of the first N natural numbers

```c
#include<stdio.h>
int main()
{
    int n, i;
    printf("Enter N:");
    scanf("%d",&n);
    for ( i = 1; i < n+1; i++)
    {
        printf("\n%d",i*i);
    }
}
```

## 9. Write a program to print cubes of the first N natural numbers

```c
#include<stdio.h>
int main()
{
    int n, i;
    printf("Enter N:");
    scanf("%d",&n);
    for ( i = 1; i < n+1; i++)
    {
        printf("\n%d",i*i*i);
    }
}
```

## 10. Write a program to print a table of N.

```c
#include<stdio.h>
int main()
```

```c
{
    int n, i;
    printf("Enter N:");
    scanf("%d",&n);
    for ( i = 1; i <= 10; i++)
    {
        printf("\n%d",i*n);
    }
}
```