

Assignment - 10

Date: 28/06/22

```
1. #include <stdio.h>
int main()
{
    int N;
    printf("Enter the value of N = ");
    scanf("%d", &N);
    while (N >= 1)
    {
        printf("N My Sir G");
        N--;
    }
}
```

2. // first N natural number

```
#include <stdio.h>
int main()
{
    int N, i = 1;
    printf("Enter the value of N = ");
    scanf("%d", &N);
    while (N >= 1) (i <= N)
    {
        printf("%d", i);
        i++;
    }
}
```

3. // first N natural number reverse order

```
#include <stdio.h>
int main()
{
    int N, i;
    printf("N = ");
    scanf("%d", &N);
    while (i = N)
    while (i >= 1)
    {
        printf("%d", i);
        i--;
    }
}
```

4. // first N even natural number

```
#include <stdio.h>
int main()
{
    int N, i = 1, r;
    printf("N = ");
    scanf("%d", &N);
    while (i <= N) (N >= 1)
    {
        r = i % 2;
        if (r == 0)
        {
            printf("%d", i);
            N--;
            i++;
        }
    }
}
```

5. // first N^{even} natural number in reverse

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

6. // first N odd natural number

```
#include <stdio.h>
int main()
{
    int N, i = 1, r;
    printf("N = ");
    scanf("%d", &N);
    while (N >= 1)
    {
        r = N % 2;
        if (r == 1)
        {
            printf("%d", i);
            N--;
            i++;
        }
    }
}
```


7. // Square of first N natural number

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

8. // Cubes of first N natural number

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

9. // Square of first N natural number in reverse

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

10. // Cubes of first N natural number in reverse.

```
#include <stdio.h>
int main()
{
    int N, i;
    printf("N = ");
    scanf("%d", &N);
    i = N;
    while (i >= 1)
    {
        printf("%d", i * i * i);
        i--;
    }
}
```