

Assignment – 5 A Job Ready Bootcamp in C++, DSA and IOT

More on Iterative Control Statements

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

```
int main()
{
    int i=1,N;
    printf("Enter printing times ");
    scanf("%d",&N);

    while(i<=N)
    {
        printf("MySirG \n");
        i++;
    }
    return 0;
}
```

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

```
int main()
{
    int i=1,N;
    printf("First N natural numbers ");
    scanf("%d",&N);

    while(i<=N)
    {
        printf("%d ",i);
        i++;
    }
    return 0;
}
```

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

```
int main()
{
    int i=1,N;
    printf("First N natural numbers in reverse order ");
    scanf("%d",&N);

    while(N>=i)
    {
        printf("%d ",N);
        N--;
    }
    return 0;
}
```

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

```
int main()
{
    int i=1,N;
    printf("First N odd numbers ");
    scanf("%d",&N);

    for(i=1;i<=N;i++)
        printf("%d ",2*i-1);
    return 0;
}
```

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

```
int main()
{
    int i=1,N;
    printf("First N odd numbers in reverse order ");
    scanf("%d",&N);

    while(N>=i)
    {
        printf("%d ",2*N-1);
        N--;
    }
    return 0;
}
```

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

```
int main()
{
    int i=1,N;
    printf("First N even natural numbers ");
    scanf("%d",&N);

    for(i=1;i<=N;i++)
        printf("%d ",2*i);
    return 0;
}
```

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

```
int main()
{
    int i=1,N;
    printf("First N even natural numbers in reverse order ");
    scanf("%d",&N);

    while(N>=i)
    {
        printf("%d ",2*N);
        N--;

    }
    return 0;
}
```

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

```
int main()
{
    int i=1,N;
    printf("Squares of first N natural numbers ");
    scanf("%d",&N);

    while(i<=N)
    {
        printf("%d ",i*i);
        i++;

    }
    return 0;
}
```

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

```
int main()
{
    int i=1,N;
    printf("cubes of first N natural numbers ");
    scanf("%d",&N);

    while(i<=N)
    {
        printf("%d ",i*i*i);
        i++;

    }
    return 0;
}
```

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

```
int main()
{
    int i,j,N;
    printf("Table of N numbers ");
    scanf("%d",&N);

    for(i=1;i<=N;i++)
    {
        for(j=1;j<=N;j++)
        {
            printf("%d ",i*j);
        }
        printf("\n");
    }
    return 0;
}
```