

## More on Iterative Control Statements

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

```
#include<stdio.h>

int main()
{
    int a;

    printf("enter the value of N: ");

    scanf("%d",&a);

    for(int i=0;i<a;i++)

        printf("MySirG\n");

    return 0;
}
```

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

```
#include<stdio.h>

int main()
{
    int a;

    printf("enter the value of N: ");

    scanf("%d",&a);

    for(int i=1;i<=a;i++)

        printf("%d\t",i);

    return 0;
}
```

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

```
#include<stdio.h>

int main()
{
    int a;

    printf("enter the value of N: ");

    scanf("%d",&a);

    for(int i=1;i<=a;a--)
        printf("%d\n",a);

    return 0;
}
```

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

```
#include<stdio.h>

int main()
{
    int a;

    printf("enter the value of N: ");

    scanf("%d",&a);

    for(int i=1;i<=a;i++)
        printf("%d\t",i*2-1);

    return 0;
}
```

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

```
#include<stdio.h>

int main()
{
    int a;

    printf("enter the value of N: ");

    scanf("%d",&a);

    for(int i=1;i<=a;a--)

        printf("%d\n",a*2-1);

    return 0;
}
```

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

```
#include<stdio.h>

int main()
{
    int a;

    printf("enter the value of N: ");

    scanf("%d",&a);

    for(int i=1;i<=a;i++)

        printf("%d\t",i*2);

    return 0;
}
```

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

```
#include<stdio.h>

int main()
{
    int a;

    printf("enter the value of N: ");

    scanf("%d",&a);

    for(int i=1;i<=a;a--)

        printf("%d\t",a*2);

    return 0;
}
```

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

```
#include<stdio.h>

#include<math.h>

int main()
{
    int a;

    printf("enter the value of N: ");

    scanf("%d",&a);

    for(int i=1;i<=a;i++)

        printf("%f\n",pow(i,2));

    return 0;
}
```

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

```
#include<stdio.h>

#include<math.h>

int main()
{
    int a;

    printf("enter the value of N: ");

    scanf("%d",&a);

    for(int i=1;i<=a;i++)
        printf("%f\n",pow(i,3));

    return 0;
}
```

10. Write a program to print a table of N

```
#include<stdio.h>

#include<math.h>

int main()
{
    int a;

    printf("enter the value of N: ");

    scanf("%d",&a);

    for(int i=1;i<=10;i++)
        printf("%d\n",a*i);

    return 0;
}
```