

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

```
#include <stdio.h>
int main()
{
    int a = 1, n;
    printf("Enter a number to print MySirG N times on the screen : ");
    scanf("%d", &n);
    while (a <= n)
    {
        printf("MySirG\n");
        a++;
    }

    return 0;
}
```

=====

Output:

```
Enter a number to print MySirG N times on the screen : 5
MySirG
MySirG
MySirG
MySirG
MySirG
```

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

```
#include <stdio.h>
int main()
{
    int a = 1, n;
    printf("Enter a number to print the first N natural numbers : ");
    scanf("%d", &n);
    while (a <= n)
    {
        printf("%d ", a);
        a++;
    }

    return 0;
}
```

=====

Output:

```
Enter a number to print the first N natural numbers : 15
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
```

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

```
#include <stdio.h>
int main()
{
    int a = 1, n;
    printf("Enter a number to print the first N natural numbers in reverse order : ");
    scanf("%d", &n);
    for (; a <= n; a++)
    {
        printf("%d ", n + 1 - a);
    }

    return 0;
}
```

```
Output:
Enter a number to print the first N natural numbers in reverse order : 15
15 14 13 12 11 10 9 8 7 6 5 4 3 2 1
```

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

```
#include <stdio.h>
int main()
{
    int a = 1, n;
    printf("Enter a number to print the first N odd natural numbers : ");
    scanf("%d", &n);
    while (a <= n)
    {
        printf("%d ", a * 2 - 1);
        a++;
    }

    return 0;
}
=====
Output:
Enter a number to print the first N odd natural numbers : 9
1 3 5 7 9 11 13 15 17
```

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

```
#include <stdio.h>
int main()
{
    int a = 1, n;
    printf("Enter a number to print the first N odd natural numbers in reverse order : ");
    scanf("%d", &n);
    do
    {
        printf("%d ", (n * 2) - (a * 2 - 1));
        a++;
    } while (a <= n);

    return 0;
}
=====
Output:
Enter a number to print the first N odd natural numbers in reverse order : 7
13 11 9 7 5 3 1
```

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

```
int main()
{
    int a = 1, n;
    printf("Enter a number to print the first N even natural numbers : ");
    scanf("%d", &n);
    while (a <= n)
    {
        printf("%d ", a * 2);
        a++;
    }

    return 0;
}
=====
Output:
Enter a number to print the first N even natural numbers : 13
2 4 6 8 10 12 14 16 18 20 22 24 26
```

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

```
#include <stdio.h>
int main()
{
    int a = 1, n;
    printf("Enter a number to print the first N even natural numbers in
reverse order : ");
    scanf("%d", &n);
    for (; a <= n; a++)
    {
        printf("%d ", (n * 2 + 2) - a * 2);
    }
    return 0;
}
=====
Output:
Enter a number to print the first N even natural numbers in reverse order :
14
28 26 24 22 20 18 16 14 12 10 8 6 4 2
```

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

```
#include <stdio.h>
int main()
{
    int a = 1, n;
    printf("Enter a number to print the squares of first N natural numbers :
");
    scanf("%d", &n);
    do
    {
        printf("%d ", a * a);
        a++;
    } while (a <= n);
    return 0;
}
=====
Output:
Enter a number to print the squares of first N natural numbers : 8
1 4 9 16 25 36 49 64
```

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

```
#include <stdio.h>
int main()
{
    int a = 1, n;
    printf("Enter a number to print the cubes of first N natural numbers :
");
    scanf("%d", &n);
    for (; a <= n; a++)
    {
        printf("%d ", a * a * a);
    }
    return 0;
}
=====
Output:
Enter a number to print the cubes of first N natural numbers : 12
1 8 27 64 125 216 343 512 729 1000 1331 1728
```

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

```
#include <stdio.h>
int main()
{
    int n, i;
    printf("Enter a number to print table : ");
    scanf("%d", &n);
    for (i = 1; i <= 10; i++)
    {
        printf("%d ", n * i);
    }
    return 0;
}
```

=====

Output:

Enter a number to print table : 17
17 34 51 68 85 102 119 136 153 170