

1. Write a program in C to display the first 10 natural numbers.

Expected Output :

1 2 3 4 5 6 7 8 9 10

5. Write a program in C to display the cube of the number up to an integer.

Test Data :

Input number of terms : 5

Expected Output :

Number is : 1 and cube of the 1 is :1

Number is : 2 and cube of the 2 is :8

Number is : 3 and cube of the 3 is :27

Number is : 4 and cube of the 4 is :64

Number is : 5 and cube of the 5 is :125

7. Write a program in C to display the multiplier table vertically from 1 to n.

Test Data :

Input upto the table number starting from 1 : 8

Expected Output :

Multiplication table from 1 to 8

$1 \times 1 = 1, 2 \times 1 = 2, 3 \times 1 = 3, 4 \times 1 = 4, 5 \times 1 = 5, 6 \times 1 = 6, 7 \times 1 = 7, 8 \times 1 = 8$

...

$1 \times 10 = 10, 2 \times 10 = 20, 3 \times 10 = 30, 4 \times 10 = 40,$

$5 \times 10 = 50, 6 \times 10 = 60, 7 \times 10 = 70, 8 \times 10 = 80$

8. Write a C program to display the n terms of odd natural numbers and their sum.

Test Data

Input number of terms : 10

Expected Output :

The odd numbers are :1 3 5 7 9 11 13 15 17 19

The Sum of odd Natural Number upto 10 terms :
100

10. Write a C program to display a pattern like a right angle triangle with a number.

The pattern like :

1
12
123
1234

9. Write a program in C to display a pattern like a right angle triangle using an asterisk.

The pattern like :

```
*  
**  
***  
****
```

6. Write a program in C to display the multiplication table for a given integer.

Test Data :

Input the number (Table to be calculated) : 15

Expected Output :

$15 \times 1 = 15$

...

...

$15 \times 10 = 150$

4. Write a program in C to read 10 numbers from the keyboard and find their sum and average.

Test Data :

Input the 10 numbers :

Number-1 :2

...

Number-10 :2

Expected Output :

The sum of 10 no is : 55

The Average is : 5.500000

3. Write a program in C to display n terms of natural numbers and their sum.

Test Data : 7

Expected Output :

The first 7 natural number is :

1 2 3 4 5 6 7

The Sum of Natural Number upto 7 terms : 28

2. Write a C program to compute the sum of the first 10 natural numbers.

Expected Output :

The first 10 natural number is :

1 2 3 4 5 6 7 8 9 10

The Sum is : 55

```
1 #include<stdio.h>
2 int main()
3 {
4     int a=1;
5     for(a=1;a<=10;a++)
6     {
7         printf ("%d\n",a);
8     }
9     return 0;
10 }
```

```
/tmp/sFnVYKHSIF.o
```

```
1
2
3
4
5
6
7
8
9
10
```



Online C Compiler

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main.c

```
// TO CALCULATE THE SUM OF FIRST 10 NATURAL NUMBER  
//THE PROCESS ARE GIVEN BELOW  
#include<stdio.h>  
int main()  
{  
    int a=1;  
    int sum=0;  
    for(a=1;a<=10;a++)  
    {  
        sum=sum+a;  
    }  
    printf ("the sum of first 10 natural number is = ");  
    printf ("%d\n",sum);  
    return 0;  
}
```

Run

Output

/tmp/sFnVYKHSIF.o
the sum of first 10 natural number is = 55

Online C Compiler

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main.c

```
// c program to display n terms of natural number and there sum
// THE PROCESS ARE GIVEN BELOW
#include<stdio.h>
int main()
{
    int a=1;
    int sum=0;
    for(a=1;a<=7;a++)
    {
        printf ("%d\n",a);
        sum=sum+a;
    }
    printf ("the sum of first 7 natural number is = ");
    printf ("%d\n",sum);
    return 0;
}
```

Run

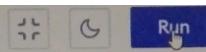
Output

/tmp/sFnVYKHSIF.o

1
2
3
4
5
6
7
the sum of first 7 natural number is = 28

main.c

```
// c program to display sum of first ten natural number and there AVERAGE  
// THE PROCESS ARE GIVEN BELOW  
#include<stdio.h>  
int main()  
{  
    float a=1;  
    float sum=0;  
    float average;  
    for(a=1;a<=10;a++)  
    {  
        sum=sum+a;  
        average=sum/10;  
    }  
    printf ("the sum of first 10 natural number is = ");  
    printf ("%f\n\n",sum);  
    printf ("the average of first 10 natural number is = ");  
    printf ("%f\n\n",average);  
    return 0;  
}
```



Output

```
/tmp/sFnVYKHSIF.o  
the sum of first 10 natural number is = 55.000000  
the average of first 10 natural number is = 5.500000
```

Programiz C Online Compiler

main.c

```
1 //c program to dispalythe cube of natural number
2 // the process are given below
3 #include<stdio.h>
4 int main()
5 {
6     int a;
7     int cube;
8     for (a=1;a<=5;a++)
9     {
10         cube=a*a*a;
11         printf ("the cube of number is = ");
12         printf ("%d\n",cube);
13
14     }
15     return 0;
16 }
```



Output

```
/tmp/ZnNUcG3dM5.o
the cube of number is = 1
the cube of number is = 8
the cube of number is = 27
the cube of number is = 64
the cube of number is = 125
```

Programiz C Online Compiler

main.c

Run Output

```
1 //c program to dispaly the table of 15 is
2 // the process are given below
3 #include<stdio.h>
4 int main()
5 {
6     int a;
7     int x=15;
8     int table;
9     printf ("the table of 15 is : \n\n");
10    for (a=1;a<=10;a++)
11    {
12        table =x*a;
13
14        printf ("%d\n",table);
15
16    }
17    return 0;
18 }
```

/tmp/ZnNUcG3dM5.o
the table of 15 is :
15
30
45
60
75
90
105
120
135
150

main.c

```
1 //c program to dispaly the multiplier is
2 // the process are given below
3 #include<stdio.h>
4 int main()
5 {
6     int a;
7     int n=1;
8     int table;
9     printf ("the table 1 TO 8 are : \n\n ");
10    for (a=1;a<=8;a++)
11    {
12        for(n=1;n<=10;n++)
13        {
14            table =n*a;
15            printf ("%d\n",table);
16        }
17    }
18    return 0;
19 }
```

Output

```
/tmp/ZnNUcG3dM5.o
the table 1 TO 8 are :
1
2
3
4
5
6
7
8
9
10
11
12
13
14
```

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The screenshot shows a web-based C compiler interface. The code in the editor is:

```
main.c
1 #include<stdio.h>
2 int main()
3 {
4
5     int i=1;
6     int n=0;
7     int sum=0;
8     for(i=1;i<=100;i++)
9     {
10         if(i%2==0)
11         {
12             n++;
13             if(n>10)
14             {
15                 break;
16             }
17         }
18         sum=i+sum;
}
```

The output window shows the result: /tmp/7nF31bcqDv.o 100

00:04



00:09



Speed



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```
8  for(i=1;i<=100;i++)
9  {
10     if(i%2!=0)
11     {
12         n++;
13         if(n>10)
14         {
15             break;
16         }
17     }
18     sum=i+sum;
19
20 }
21
22
23
24 }
25 printf ("%d\n",sum);
26
27 return 0;
28 }
```

82°F
Cloudy

00:08

00:09



Speed

