

Start here X 7.c X 8.c X 9.c X 10.c X 11.c X 12.c X 13.c X

```
1 //power value;
2 #include<stdio.h>
3 int main()
4 {
5     int a,b,p=0;
6     scanf("%d %d",&a,&b);
7     p=pow(a,b);
8     printf("%d",p);
9
10
11
12     return 0;
13 }
14
```



"C:\Users\ASUS\OneDrive\De X



3

8

Process returned 0 (0x0) execution time : 5.952

s

Press any key to continue.

Start here 7.c 8.c

```
1 //generate sum of series 1.2+2.3+3.4+.....+n
2 #include<stdio.h>
3 int main()
4 {
5     int i,n;
6     float a,s=1.2,ss=0;
7     scanf("%d",&n);
8     for(i=1;i<=n;i++){
9         ss=s+ss;
10        printf(" %.1f +",s);
11        s=s+1.1;
12    }
13 }
14
```

"C:\Users\ASUS\OneDrive\De

5

1.2 + 2.3 + 3.4 + 4.5 + 5.6 +

Process returned 0 (0x0) execution time : 7.269 s

Press any key to continue.

```
Start here X 1.c X 2.c X 3.c X 4.c X 5.c X 6.c X
1 //read 2 no (n,r),display npr
2 #include<stdio.h>
3 int main()
4 {
5     int n,r,i,npr,nr,j,nf=1,nrf=1;
6     scanf("%d %d",&n,&r);
7     if(n>r){
8         nr=n-r;
9         for(i=1;i<=n;i++){
10             nf=nf*i;
11         }
12         for(j=1;j<=nr;j++){
13             nrf=nrf*j;
14         }
15         npr=nf/nrf;
16         printf("%d",npr);
17     }
18     else printf("not possible");
19 }
20
```

```
"C:\Users\ASUS\OneDrive\De  X + v - □ X
6
2
30
Process returned 0 (0x0)   execution time : 3.084 s
Press any key to continue.
|
```

Start here x \*1.c x

```
1 //counting from 51 to 90
2 #include<stdio.h>
3 int main()
4 {
5     int i;
6     for(i=51;i<=90;i++){
7         printf("%d ",i);
8     }
9     return 0;
10 }
11
```

"C:\Users\ASUS\OneD x + v - □ x

```
51 52 53 54 55 56 57 58 59 60 61 62 63 64 65
66 67 68 69 70 71 72 73 74 75 76 77 78 79 8
0 81 82 83 84 85 86 87 88 89 90
Process returned 0 (0x0) execution time :
0.031 s
Press any key to continue.
```

Logs & others

Code::Blocks x Search results x Cccc x Build log x Build messages x CppCheck/Vera++ x

File	Line	Message
		=== Build file: "no target" in "no project" (compiler: unknown) ===
		=== Build finished: 0 error(s), 0 warning(s) (0 minute(s), 0 second(s)) ===

Start here x \*1.c x 2.c x

1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11

```
//counting from 10 to 1
#include<stdio.h>
int main()
{
    int i;
    for(i=10;i>=1;i--){
        printf("%d ",i);
    }
    return 0;
}
```

"C:\Users\ASUS\OneDrive\De x + v - □ ×

10 9 8 7 6 5 4 3 2 1  
Process returned 0 (0x0) execution time : 0.047  
s  
Press any key to continue.  
|

Logs & others

```
Start here x *1.c x 2.c x 3.c x 4.c x
1 //accept 3 no display their sum
2 #include<stdio.h>
3 int main()
4 {
5     int i,a,s=0;
6     for(i=1;i<=3;i++){
7         scanf("%d",&a);
8         s+=a;
9     }
10    printf("%d",s);
11    return 0;
12 }
13
```

```
"C:\Users\ASUS\OneDrive\De x + v - □ x
6
8
9
23
Process returned 0 (0x0) execution time : 304.481 s
Press any key to continue.
|
```

Logs & others

Code::Blocks Search results C++ Build log Build messages Cppcheck/vera++

File

Line

Message

=== Build file: "no target" in "no project" (compiler: unknown) ===

=== Build finished: 0 error(s), 0 warning(s) (0 minute(s), 0 second(s)) ===

Start here X 1.c X 2.c X 3.c X 4.c X 5.c X

1 //factorial value of given no

2 #include<stdio.h>

3 int main()

4 {

5     int a,i,f=1;

6     scanf("%d",&a);

7     for (i=1;i<=a;i++) {

8         f=f\*i;

9     }

10    printf("%d",f);

11    return 0;

12 }

13

CN "C:\Users\ASUS\OneDrive\De X + v - □ X

5

120

Process returned 0 (0x0)    execution time : 3.068 s

Press any key to continue.

Logs

Check/Vera+

Fi

=== Build finished: 0 error(s), 0 warning(s) (0 minute(s), 0 second(s)) ===

Start here X 7.c X

```
1 //generate sum of series 2+5+8+11+.....+n
2 #include<stdio.h>
3 int main()
4 {
5     int i,n,s=2,s1=0;
6     scanf("%d",&n);
7     for(i=1;i<=n;i++){
8         printf("%d+",s);
9         s=s+3;
10    }
11    return 0;
12 }
13
```



"C:\Users\ASUS\OneDrive\De X



6

2+5+8+11+14+17+

Process returned 0 (0x0) execution time : 3.874 s

Press any key to continue.

Lo



ck/Vera

5\OneDrive\Desktop\2nd semester\lab-3\7.c

C/C++



The image shows a code editor window with a C program and a separate console window showing its execution. The code calculates the sum of the first 10 natural numbers. The console output shows the result 55, the return status, and the execution time.

```
Start here X *1.c X 2.c X 3.c X
1 //sum of first 10 no
2 #include<stdio.h>
3 int main()
4 {
5     int i,s=0;
6     for(i=1;i<=10;i++){
7         s+=i;
8     }
9     printf("%d",s);
10 }
11
```

"C:\Users\ASUS\OneDrive\De X + v - □ X

55  
Process returned 0 (0x0) execution time : 0.04  
3 s  
Press any key to continue.  
|

pages X  
unknow  
s), 0

Start here X 7.c X 8.c X 9.c X

1 //generate 2,4,8,16,32,64,128,256

2 #include<stdio.h>

3 int main()

4 {

5 int i,s=0;

6 for(i=2;i<=256;i=i\*2)

7 {

8 printf("%d, ",i);

9

10 }

11 return 0;

12

13 }

14

"C:\Users\ASUS\OneDrive\De X + v - □ X

2, 4, 8, 16, 32, 64, 128, 256,

Process returned 0 (0x0) execution time : 0.047

s

Press any key to continue.

|

Logs

File

OneDr

The image shows a C++ IDE with a code editor and a console window. The code editor displays a program to generate the first 30 terms of a Fibonacci sequence. The console window shows the output of the program, which is the sequence 1, 5, 11, 19, 29, followed by the execution time and a prompt to press a key to continue.

```
1 //generate 1,5,11,19,29...
2 #include<stdio.h>
3 int main()
4 {
5     int j,n,k=2,i,y;
6     scanf("%d",&n);
7
8     for(j=1;j<=n;j){
9         printf("%d, ",j);
10        k=k+2;
11        j=j+k;
12    }
13
14 }
15
```

30  
1, 5, 11, 19, 29,  
Process returned 0 (0x0) execution time : 8.257 s  
Press any key to continue.

Start here X 7.c X 8.c X 9.c X 10.c X

```
1 //generate 1,-4,7,-10.....-40
2 #include<stdio.h>
3 int main()
4 {
5     int i,n,s=1;
6     for(i=1;i<=40;i+=3){
7         if(i%2==0)printf("%d, ",-i);
8         if(i%2!=0) printf("%d, ",i);
9     }
10    return 0;
11 }
12
```

"C:\Users\ASUS\OneDrive\De X + v - □ X

```
1, -4, 7, -10, 13, -16, 19, -22, 25, -28, 31, -34, 37, -40,
Process returned 0 (0x0)   execution time : 0.016 s
Press any key to continue.
```

Start here X 7.c X 8.c X 9.c X 10.c X 11.c X 12.c X 13.c X

```
1 //generate (1)+(1+2)+(1+2+3)+....
2 #include<stdio.h>
3 int main()
4 {
5     int i,n,j,a=0;
6     scanf("%d",&n);
7     for(i=1;i<=n;i++){
8         printf("(");
9         for(int j=1;j<=i;j++){
10             if(j==i) printf("%d",j);
11             else printf("%d+",j);
12         }
13         printf(")");
14     }
15     return 0;
16 }
17
```

"C:\Users\ASUS\OneDrive\De X + v - □ X

```
4
(1)+(1+2)+(1+2+3)+(1+2+3+4)+
Process returned 0 (0x0)   execution time : 2.790 s
Press any key to continue.
```

Logs & o  
File