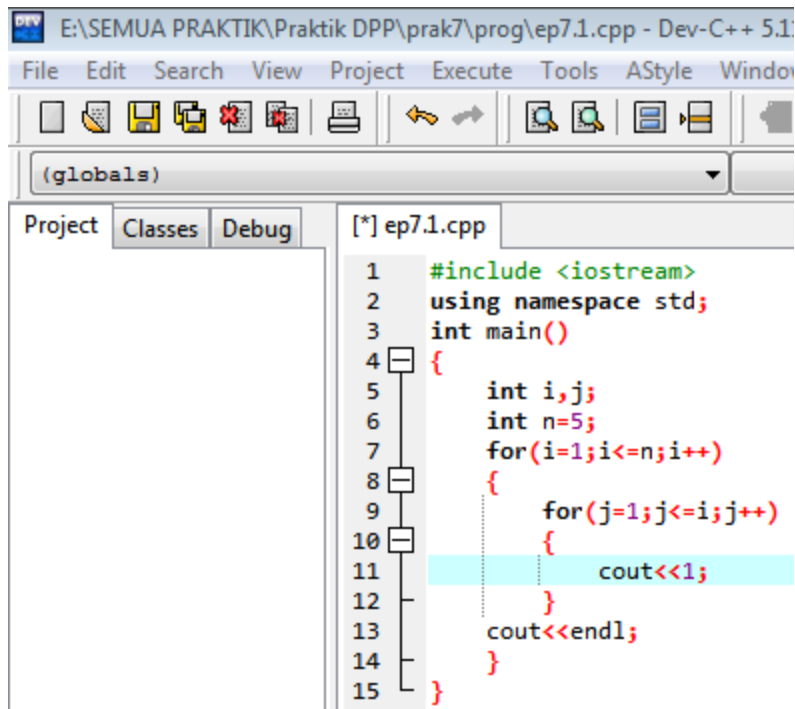


LAPORAN PRAKTIKUM
DASAR PEMROGRAMAN



DISUSUN OLEH:
EKO RACHMAT SATRIYO (2100018142)
SABTU 07.30-KELAS C

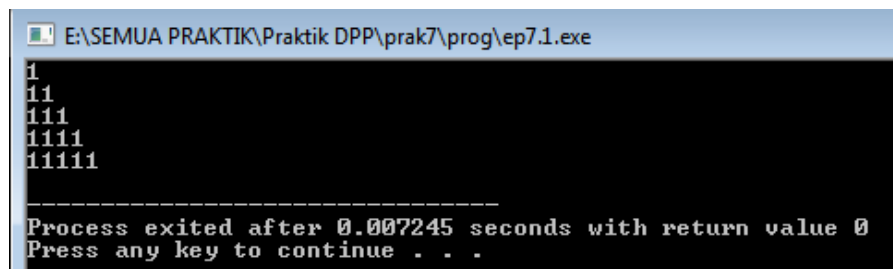
PROGRAM STUDI TEKNIK INFORMATIKA
FAKULTAS TEKNOLOGI INDUSTRI
UNIVERSITAS AHMAD DAHLAN
NOVEMBER 2021



The screenshot shows the Dev-C++ IDE with a project named "ep7.1.cpp". The code is as follows:

```
1  #include <iostream>
2  using namespace std;
3  int main()
4  {
5      int i,j;
6      int n=5;
7      for(i=1;i<=n;i++)
8      {
9          for(j=1;j<=i;j++)
10         {
11             cout<<"1";
12         }
13         cout<<"\n";
14     }
15 }
```

Menuliskan program

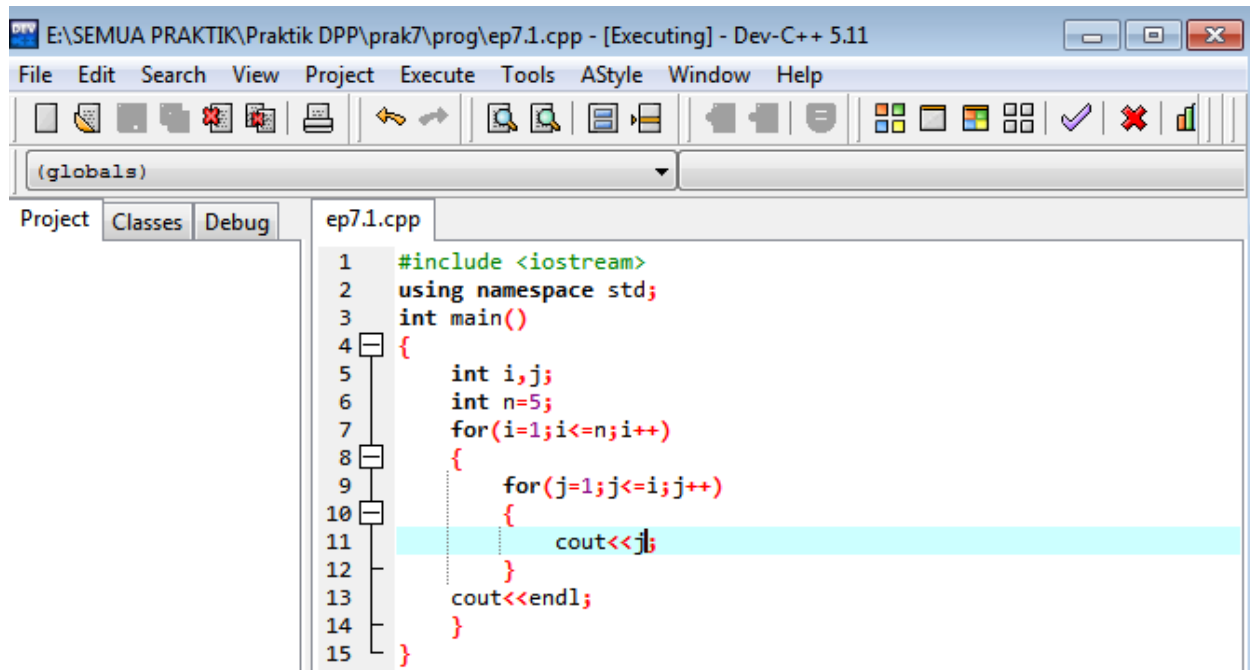


The screenshot shows a command prompt window with the following output:

```
1
11
111
1111
11111

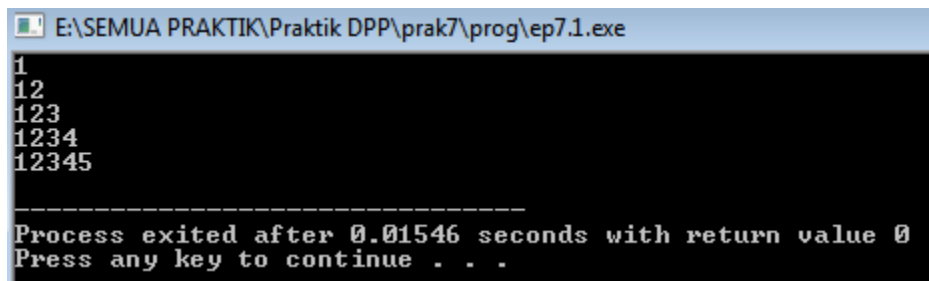
-----
Process exited after 0.007245 seconds with return value 0
Press any key to continue . . .
```

Output program



```
1  #include <iostream>
2  using namespace std;
3  int main()
4  {
5      int i,j;
6      int n=5;
7      for(i=1;i<=n;i++)
8      {
9          for(j=1;j<=i;j++)
10         {
11             cout<<j;
12         }
13         cout<<endl;
14     }
15 }
```

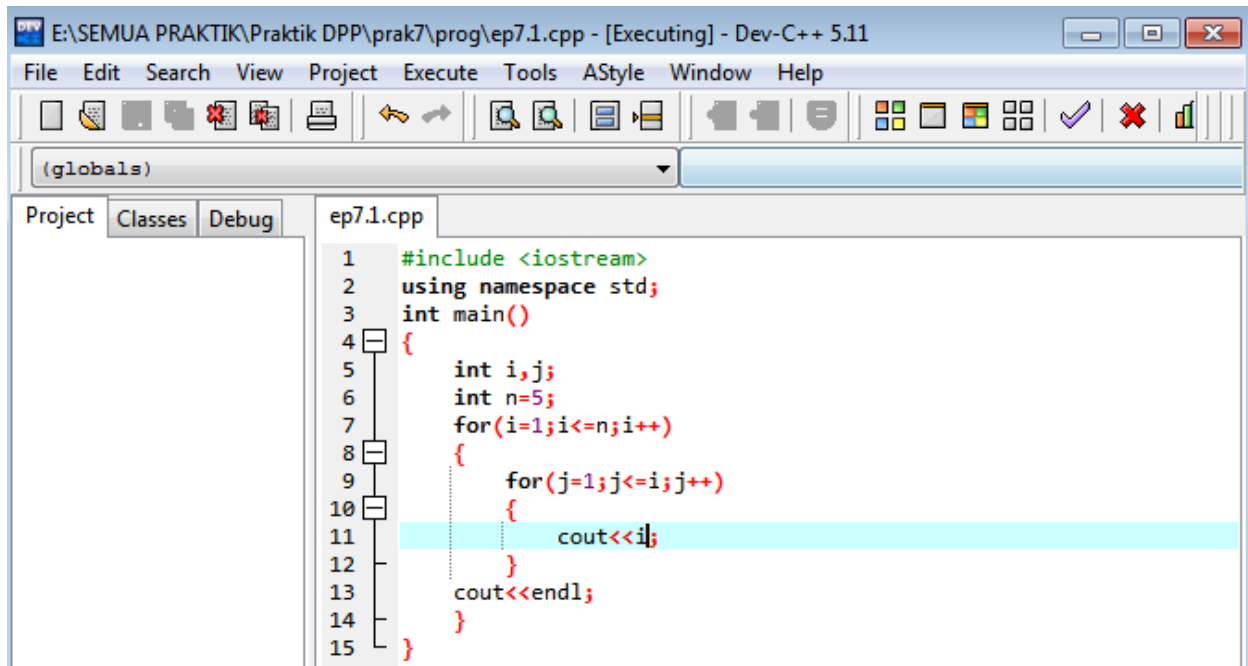
Mengubah menjadi cout<<j;



```
1
12
123
1234
12345

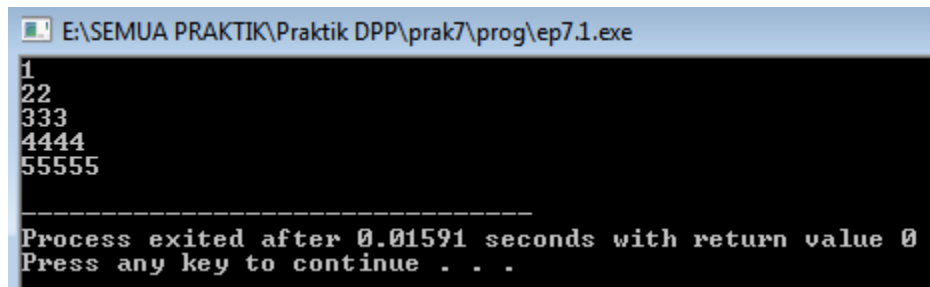
-----
Process exited after 0.01546 seconds with return value 0
Press any key to continue . . .
```

Output program



```
1  #include <iostream>
2  using namespace std;
3  int main()
4  {
5      int i,j;
6      int n=5;
7      for(i=1;i<=n;i++)
8      {
9          for(j=1;j<=i;j++)
10         {
11             cout<<i;
12         }
13         cout<<endl;
14     }
15 }
```

Mengubah menjadi cout<<i;



```
1
22
333
4444
55555

-----
Process exited after 0.01591 seconds with return value 0
Press any key to continue . . .
```

Hasil program

```
1 #include <iostream>
2 using namespace std;
3 int main()
4 {
5     int i,j,n;
6     cout<<"Tampilan segitiga"<<endl;
7     cout<<"Jumlah baris:";
8     cin>>n;
9     for(i=0;i<n;i++)
10    {
11        for(j=1;j<=n-i;j++)
12            cout<<" ";
13        for(j=1;j<=2*i-1;j++)
14            cout<<"*";
15        cout<<endl;
16    }
17 }
```

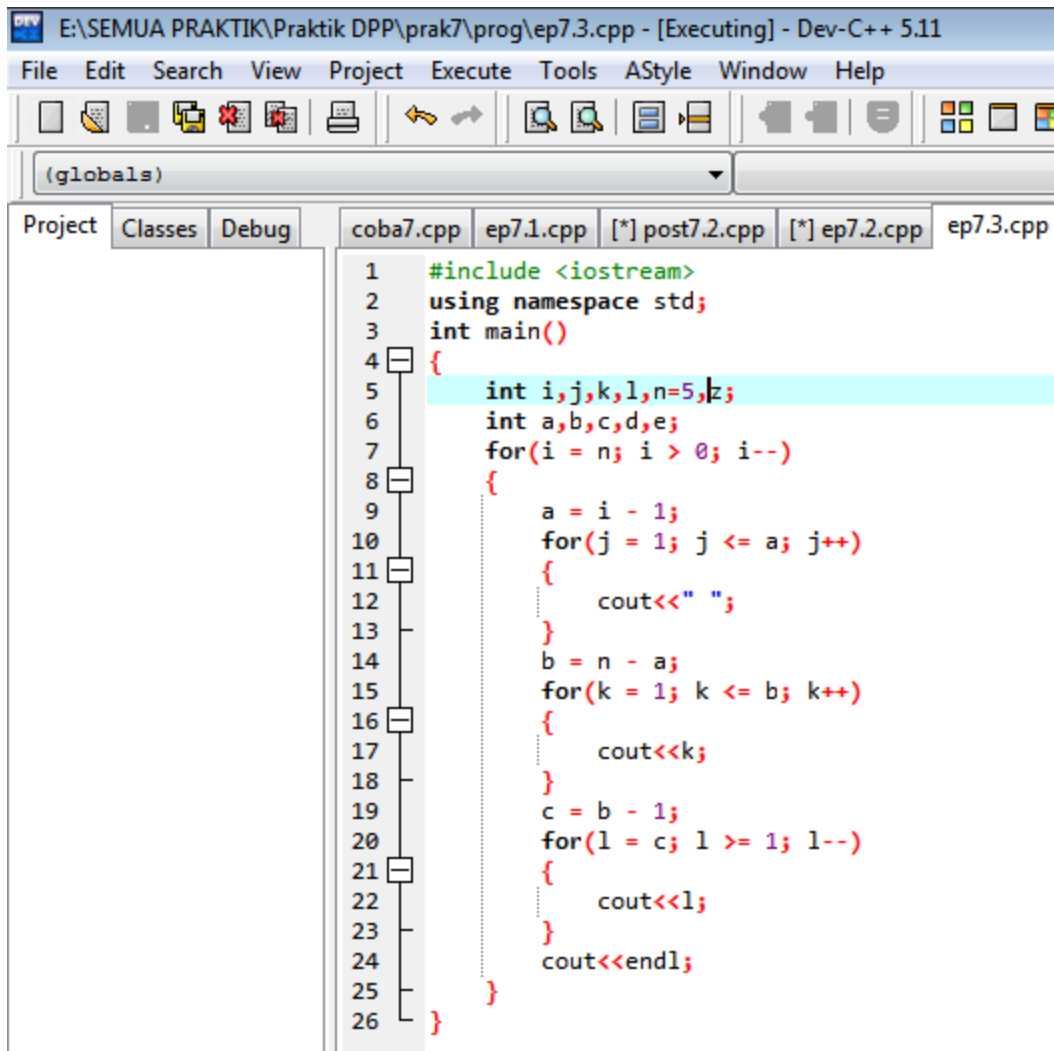
Menuliskan program

```
E:\SEMUA PRAKTIK\Praktik DPP\prak7\ep7.2.exe
Tampilan segitiga
Jumlah baris:5

 *
 ***
*****
*****

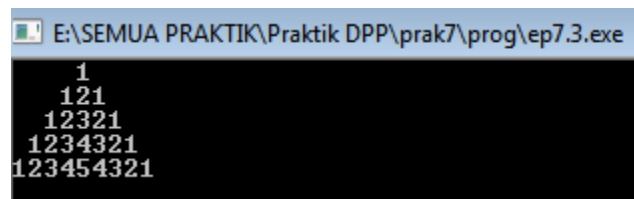
-----
Process exited after 1.165 seconds with return value 0
Press any key to continue . . .
```

Output program



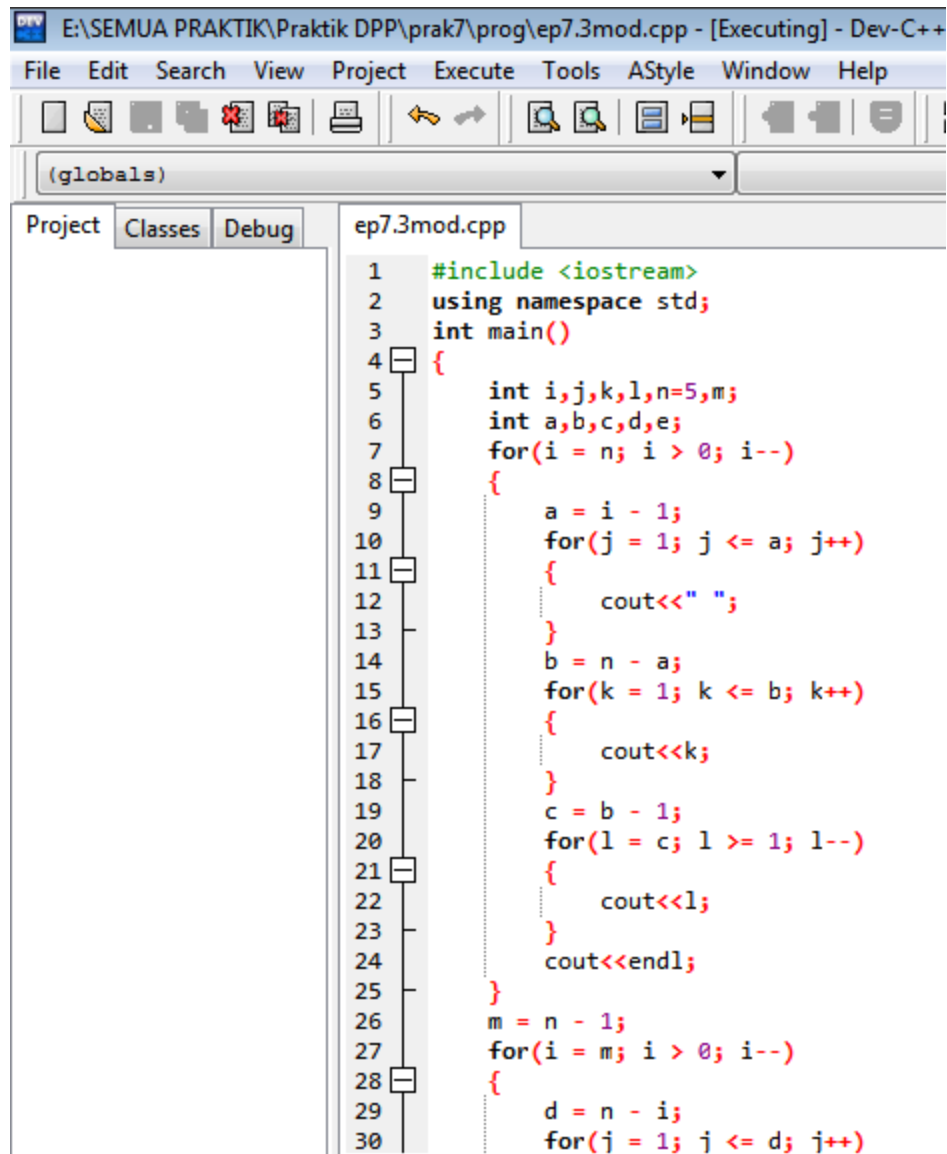
```
1 #include <iostream>
2 using namespace std;
3 int main()
4 {
5     int i,j,k,l,n=5,z;
6     int a,b,c,d,e;
7     for(i = n; i > 0; i--)
8     {
9         a = i - 1;
10        for(j = 1; j <= a; j++)
11        {
12            cout<<" ";
13        }
14        b = n - a;
15        for(k = 1; k <= b; k++)
16        {
17            cout<<k;
18        }
19        c = b - 1;
20        for(l = c; l >= 1; l--)
21        {
22            cout<<l;
23        }
24        cout<<endl;
25    }
26 }
```

Menuliskan program

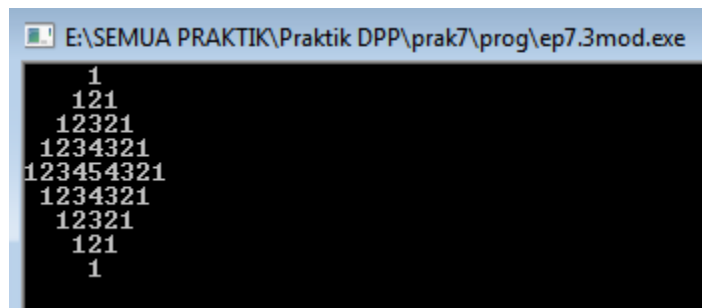


```
E:\SEMUA PRAKTIK\Praktik DPP\prak7\prog\ep7.3.exe
1
121
12321
1234321
123454321
```

Output program



Menuliskan program



Output program