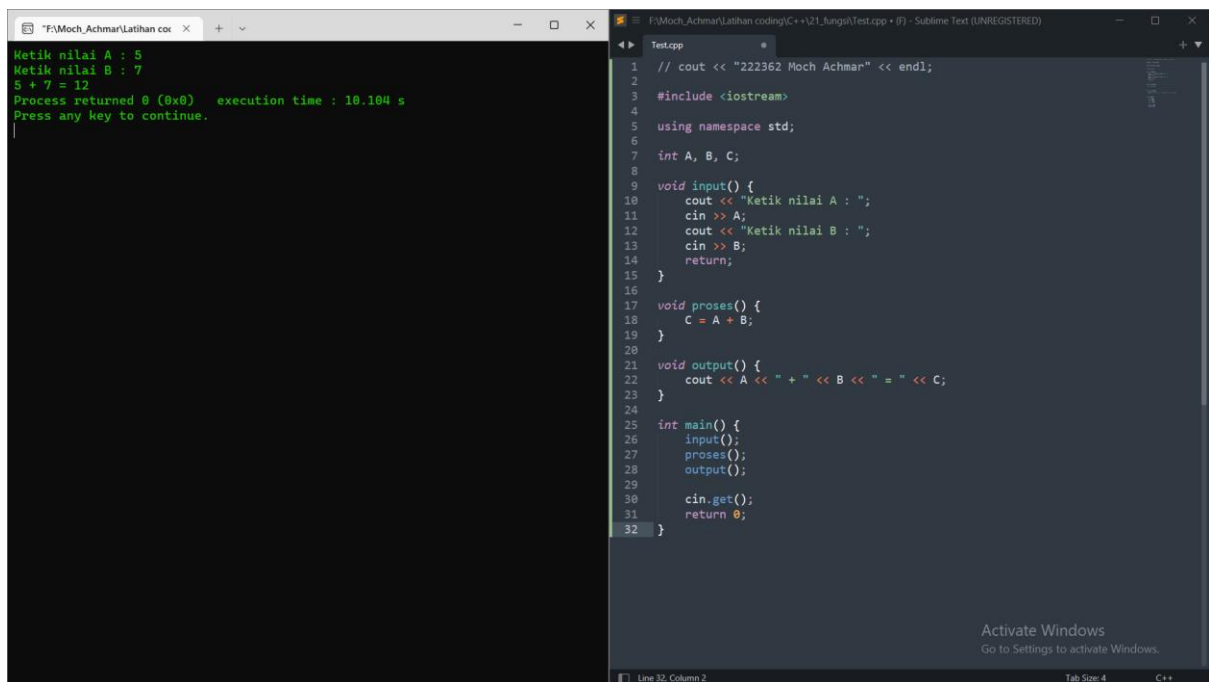


## // Promram 11.1

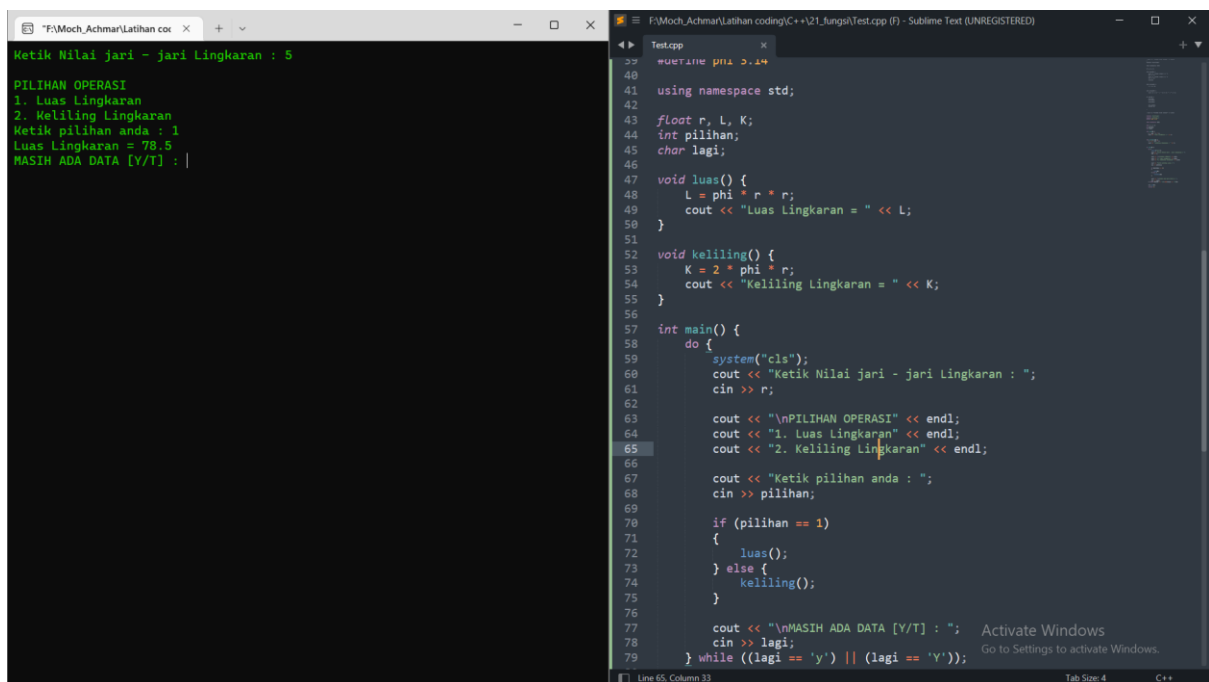


The screenshot shows a C++ program being executed in a terminal window on the left and its source code in a code editor on the right. The terminal output shows the program taking two inputs, 5 and 7, calculating their sum (12), and displaying the execution time (10.104 s). The code editor shows the source code for 'Test.cpp', which includes the `<iostream>` header, uses the `std` namespace, and defines functions for input, processing, and output.

```
Ketik nilai A : 5
Ketik nilai B : 7
5 + 7 = 12
Process returned 0 (0x0)   execution time : 10.104 s
Press any key to continue.
```

```
Test.cpp
1 // cout << "222362 Moch Achman" << endl;
2
3 #include <iostream>
4
5 using namespace std;
6
7 int A, B, C;
8
9 void input() {
10     cout << "Ketik nilai A : ";
11     cin >> A;
12     cout << "Ketik nilai B : ";
13     cin >> B;
14     return;
15 }
16
17 void proses() {
18     C = A + B;
19 }
20
21 void output() {
22     cout << A << " + " << B << " = " << C;
23 }
24
25 int main() {
26     input();
27     proses();
28     output();
29
30     cin.get();
31     return 0;
32 }
```

## // Program 11.2



The screenshot shows a C++ program being executed in a terminal window on the left and its source code in a code editor on the right. The terminal output shows the program asking for the radius of a circle (5), displaying a menu of operations (1. Luas Lingkaran, 2. Keliling Lingkaran), taking a choice (1), calculating the area (78.5), and asking for more data (Y/T). The code editor shows the source code for 'Test.cpp', which includes the `<iostream>` header, uses the `std` namespace, and defines functions for calculating the area and circumference of a circle.

```
Ketik Nilai jari - jari Lingkaran : 5

PILIHAN OPERASI
1. Luas Lingkaran
2. Keliling Lingkaran
Ketik pilihan anda : 1
Luas Lingkaran = 78.5
MASIH ADA DATA [Y/T] :
```

```
Test.cpp
40 #define phi 3.14
41
42 using namespace std;
43
44 float r, L, K;
45 int pilihan;
46 char lagi;
47
48 void luas() {
49     L = phi * r * r;
50     cout << "Luas Lingkaran = " << L;
51 }
52
53 void keliling() {
54     K = 2 * phi * r;
55     cout << "Keliling Lingkaran = " << K;
56 }
57
58 int main() {
59     do {
60         system("cls");
61         cout << "Ketik Nilai jari - jari Lingkaran : ";
62         cin >> r;
63
64         cout << "\nPILIHAN OPERASI" << endl;
65         cout << "1. Luas Lingkaran" << endl;
66         cout << "2. Keliling Lingkaran" << endl;
67
68         cout << "Ketik pilihan anda : ";
69         cin >> pilihan;
70
71         if (pilihan == 1)
72         {
73             luas();
74         }
75         else {
76             keliling();
77         }
78
79         cout << "\nMASIH ADA DATA [Y/T] : ";
80         cin >> lagi;
81     } while ((lagi == 'y') || (lagi == 'Y'));
82 }
```

```
"F:\Moch_Achmar\Latihan c++"
Ketik Nilai jari - jari Lingkaran : 5

PILIHAN OPERASI
1. Luas Lingkaran
2. Keliling Lingkaran
Ketik pilihan anda : 2
Keliling Lingkaran = 31.4
MASIH ADA DATA [Y/T] :
```

```
Test.cpp
//Moch_Achmar\Latihan coding\C++\21_fungsi\Test.cpp (F) - Sublime Text (UNREGISTERED)
37 #include <iostream>
38 #include <math>
39 using namespace std;
40
41 float r, L, K;
42 int pilihan;
43 char lagi;
44
45 void luas() {
46     L = phi * r * r;
47     cout << "Luas Lingkaran = " << L;
48 }
49
50 void keliling() {
51     K = 2 * phi * r;
52     cout << "Keliling Lingkaran = " << K;
53 }
54
55 int main() {
56     do {
57         system("cls");
58         cout << "Ketik Nilai jari - jari Lingkaran : ";
59         cin >> r;
60
61         cout << "\nPILIHAN OPERASI" << endl;
62         cout << "1. Luas Lingkaran" << endl;
63         cout << "2. Keliling Lingkaran" << endl;
64
65         cout << "Ketik pilihan anda : ";
66         cin >> pilihan;
67
68         if (pilihan == 1)
69         {
70             luas();
71         }
72         else {
73             keliling();
74         }
75
76         cout << "\nMASIH ADA DATA [Y/T] : ";
77         cin >> lagi;
78         while ((lagi == 'y') || (lagi == 'Y'));
79     } while ((lagi == 'y') || (lagi == 'Y'));
```

// Program 11.3

```
"F:\Moch_Achmar\Latihan c++"
PILIHAN OPERASI
1. Persegi Panjang
2. Lingkaran
3. Segitiga
4. Kubus
5. Selesai
Ketik pilihan anda : 1
Ketik Nilai Panjang : 5
Ketik Nilai lebar : 7
Luas Persegi Panjang = 35
MASIH ADA DATA [Y/T] :
```

```
Test.cpp
//Moch_Achmar\Latihan coding\C++\21_fungsi\Test.cpp (F) - Sublime Text (UNREGISTERED)
83 }
84 */
85
86 #include <iostream>
87 #include <stdlib.h>
88 #define phi 3.14
89
90 using namespace std;
91 int pilihan;
92 char lagi;
93
94 void persegipanjang() {
95     float p, l, r;
96     cout << "Ketik Nilai Panjang : ";
97     cin >> p;
98     cout << "Ketik Nilai lebar : ";
99     cin >> l;
100
101     L = p * l;
102
103     cout << "Luas Persegi Panjang = " << L;
104 }
105
106 void lingkaran() {
107     float r, L, K;
108     cout << "Ketik Nilai r : ";
109     cin >> r;
110
111     L = phi * r * r;
112     K = 2 * phi * r;
113
114     cout << "Luas Lingkaran = " << L << endl;
115     cout << "Keliling Lingkaran = " << K;
116 }
117
118 void segitiga() {
119     float a, t, L;
120     cout << "Ketik Nilai Alas : ";
121     cin >> a;
122     cout << "Ketik Nilai Tinggi : ";
123     cin >> t;
```

```
"F:\Moch_Achmar\Latihan cor" x + - - - x
PILIHAN OPERASI
1. Persegi Panjang
2. Lingkaran
3. Segitiga
4. Kubus
5. Selesai
Ketik pilihan anda : 2
Ketik Nilai r : 5
Luas Lingkaran = 78.5
Keliling Lingkaran = 31.4
MASIH ADA DATA [Y/T] :
```

```
Test.cpp
83 }
84 */
85
86 #include <iostream>
87 #include <stdlib.h>
88 #define phi 3.14
89
90 using namespace std;
91 int pilihan;
92 char lagi;
93
94 void persegi panjang() {
95     float p, l, r;
96     cout << "Ketik Nilai Panjang : ";
97     cin >> p;
98     cout << "Ketik Nilai lebar : ";
99     cin >> l;
100
101     L = p * l;
102
103     cout << "Luas Persegi Panjang = " << L;
104 }
105
106 void lingkaran() {
107     float r, L, K;
108     cout << "Ketik Nilai r : ";
109     cin >> r;
110
111     L = phi * r * r;
112     K = 2 * phi * r;
113
114     cout << "Luas lingkaran = " << L << endl;
115     cout << "Keliling Lingkaran = " << K;
116 }
117
118 void segitiga() {
119     float a, t, L;
120     cout << "Ketik Nilai Alas : ";
121     cin >> a;
122     cout << "Ketik Nilai Tinggi : ";
123     cin >> t;
```

Activate Windows  
Go to Settings to activate Windows.

Line 177, Column 2 Tab Size: 4 C++

```
"F:\Moch_Achmar\Latihan cor" x + - - - x
PILIHAN OPERASI
1. Persegi Panjang
2. Lingkaran
3. Segitiga
4. Kubus
5. Selesai
Ketik pilihan anda : 3
Ketik Nilai Alas : 6
Ketik Nilai Tinggi : 8
Luas Segitiga = 24
MASIH ADA DATA [Y/T] :
```

```
Test.cpp
83 }
84 */
85
86 #include <iostream>
87 #include <stdlib.h>
88 #define phi 3.14
89
90 using namespace std;
91 int pilihan;
92 char lagi;
93
94 void persegi panjang() {
95     float p, l, r;
96     cout << "Ketik Nilai Panjang : ";
97     cin >> p;
98     cout << "Ketik Nilai lebar : ";
99     cin >> l;
100
101     L = p * l;
102
103     cout << "Luas Persegi Panjang = " << L;
104 }
105
106 void lingkaran() {
107     float r, L, K;
108     cout << "Ketik Nilai r : ";
109     cin >> r;
110
111     L = phi * r * r;
112     K = 2 * phi * r;
113
114     cout << "Luas lingkaran = " << L << endl;
115     cout << "Keliling Lingkaran = " << K;
116 }
117
118 void segitiga() {
119     float a, t, L;
120     cout << "Ketik Nilai Alas : ";
121     cin >> a;
122     cout << "Ketik Nilai Tinggi : ";
123     cin >> t;
```

Activate Windows  
Go to Settings to activate Windows.

Line 177, Column 2 Tab Size: 4 C++

```
"F:\Moch_Achmar\Latihan coi" x + - □ x
PILIHAN OPERASI
1. Persegi Panjang
2. Lingkaran
3. Segitiga
4. Kubus
5. Selesai
Ketik pilihan anda : 4
Ketik Nilai sisi : 6
Volume Sisi = 216
MASIH ADA DATA [Y/T] :

F:\Moch_Achmar\Latihan coding\C++\21_fungsi\Test.cpp (F) - Sublime Text (UNREGISTERED)
Test.cpp
83 }
84 */
85
86 #include <iostream>
87 #include <stdlib.h>
88 #define phi 3.14
89
90 using namespace std;
91 int pilihan;
92 char lagi;
93
94 void persegi panjang() {
95     float p, l, r;
96     cout << "Ketik Nilai Panjang : ";
97     cin >> p;
98     cout << "Ketik Nilai lebar : ";
99     cin >> l;
100
101     L = p * l;
102
103     cout << "Luas Persegi Panjang = " << L;
104 }
105
106 void lingkaran() {
107     float r, L, K;
108     cout << "Ketik Nilai r : ";
109     cin >> r;
110
111     L = phi * r * r;
112     K = 2 * phi * r;
113
114     cout << "Luas lingkaran = " << L << endl;
115     cout << "Keliling Lingkaran = " << K;
116 }
117
118 void segitiga() {
119     float a, t, L;
120     cout << "Ketik Nilai Alas : ";
121     cin >> a;
122     cout << "Ketik Nilai Tinggi : ";
123     cin >> t;
124 }
```

Activate Windows  
Go to Settings to activate Windows.

Line 177, Column 2 Tab Size: 4 C++