

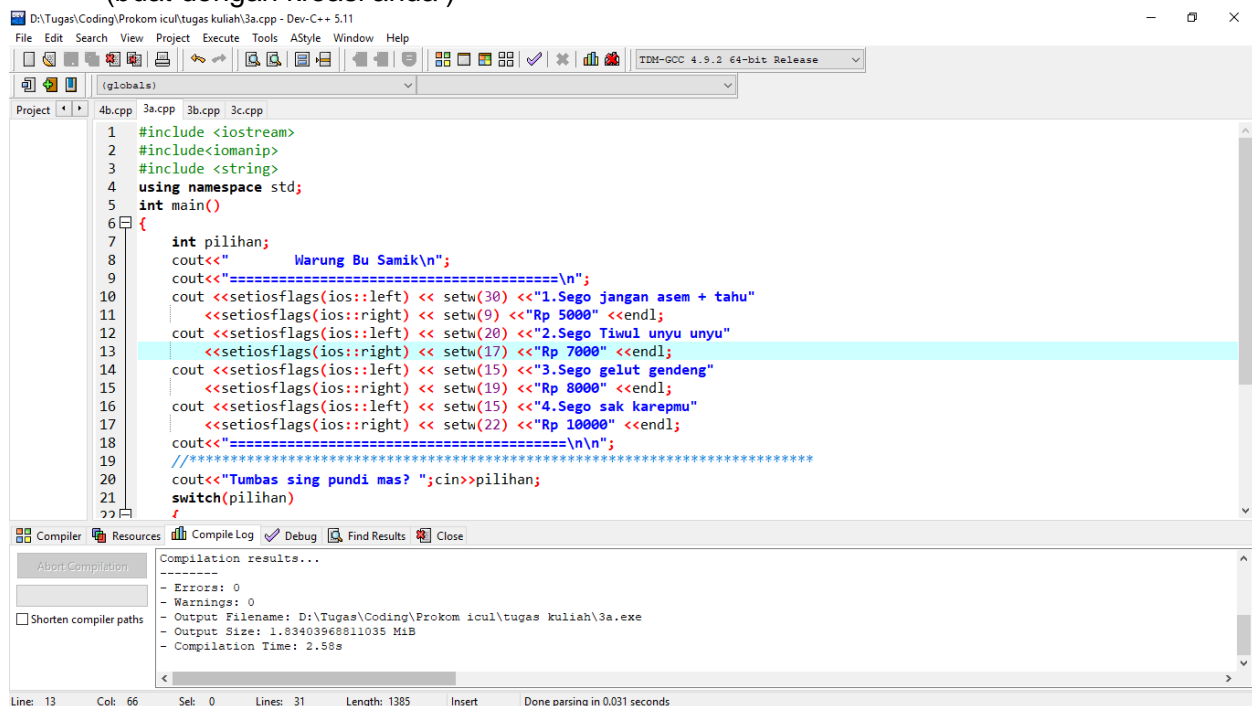
1. Buat program untuk menghasilkan output sebagai berikut :

Menu Restaurant Mc'Yahud

- ```
=====
1. Nasi Goreng Informatika Rp. 5.000,-
2. Nasi Soto Ayam Internet Rp. 7.000,-
3. Gado-gado Disket Rp. 4.500,-
4. Bubur Ayam LAN Rp. 4.000,-
=====
```

Masukkan Pilihan Anda... :1

Pilihan No.1 Nasi Goreng Informatika Rp.5.000,-  
(buat dengan kreasi anda )



The screenshot shows a C++ program in Dev-C++ that prints a menu for 'Warung Bu Samik'. The menu lists four items: '1. Nasi Goreng Informatika Rp. 5.000,-', '2. Nasi Soto Ayam Internet Rp. 7.000,-', '3. Gado-gado Disket Rp. 4.500,-', and '4. Bubur Ayam LAN Rp. 4.000,-'. The program prompts the user to enter a choice, and the user has entered '1'. The compilation results show that the program compiled successfully with no errors or warnings. The output filename is 'D:\Tugas\Coding\Prokom icul\tugas kuliah\3a.exe'.

```
1 #include <iostream>
2 #include <iomanip>
3 #include <string>
4 using namespace std;
5 int main()
6 {
7 int pilihan;
8 cout<<" Warung Bu Samik\n";
9 cout<<"===== \n";
10 cout << setiosflags(ios::left) << setw(30) << "1.Sego jangan asem + tahu"
11 << setiosflags(ios::right) << setw(9) << "Rp 5000" << endl;
12 cout << setiosflags(ios::left) << setw(20) << "2.Sego Tiwul unyu unyu"
13 << setiosflags(ios::right) << setw(17) << "Rp 7000" << endl;
14 cout << setiosflags(ios::left) << setw(15) << "3.Sego gelut gendeng"
15 << setiosflags(ios::right) << setw(19) << "Rp 8000" << endl;
16 cout << setiosflags(ios::left) << setw(15) << "4.Sego sak karepmu"
17 << setiosflags(ios::right) << setw(22) << "Rp 10000" << endl;
18 cout<<"===== \n\n";
19 //*****
20 cout<<"Tumbas sing pundi mas? ";cin>>pilihan;
21 switch(pilihan)
22 {
```

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: D:\Tugas\Coding\Prokom icul\tugas kuliah\3a.exe
- Output Size: 1.83403968011035 MiB
- Compilation Time: 2.58s

Line: 13 Col: 66 Sel: 0 Lines: 31 Length: 1385 Insert Done parsing in 0.031 seconds

The image shows a screenshot of a C++ program in Dev-C++ and its execution output. The code is a menu-driven program for a warung (small eatery) named 'Warung Bu Samik'. It lists four items with their prices: 1. Sego jangan asem + tahu (Rp 5000), 2. Sego Tiwul unyu unyu (Rp 7000), 3. Sego gelut gendeng (Rp 8000), and 4. Sego sak karepmu (Rp 10000). The program prompts the user to enter a choice (1-4). In the screenshot, the user has entered '4', and the program outputs a confirmation message: 'oh enggeh Sego sak karepmu, 10000 yo mas. njenengan linggah rumiyen'. The program then exits with a return value of 0.

```
11 <<setiosflags(ios::right) << setw(9) <<"Rp 5000" <<endl;
12 cout <<setiosflags(ios::left) << setw(20) <<"2.Sego Tiwul unyu unyu"
13 <<setiosflags(ios::right) << setw(17) <<"Rp 7000" <<endl;
14 cout <<setiosflags(ios::left) << setw(15) <<"3.Sego gelut gendeng"
15 <<setiosflags(ios::right) << setw(19) <<"Rp 8000" <<endl;
16 cout <<setiosflags(ios::left) << setw(15) <<"4.Sego sak karepmu"
17 <<setiosflags(ios::right) << setw(22) <<"Rp 10000" <<endl;
18 cout<<"=====\n\n";
19 //*****
20 cout<<"Tumbas sing pundi mas? ";cin>>pilihan;
21 switch(pilihan)
22 {
23 case 1: cout<<"oh enggeh sego jangan asem+tahu, 5000 yo mas. njenengan linggah rumiyen";break;
24 case 2: cout<<"oh enggeh Sego Tiwul unyu unyu, 7000 yo mas. njenengan linggah rumiyen";break;
25 case 3: cout<<"oh enggeh Sego gelut gendeng, 8000 yo mas. njenengan linggah rumiyen";break;
26 case 4: cout<<"oh enggeh Sego sak karepmu, 10000 yo mas. njenengan linggah rumiyen";break;
27 default : cout<<"mboten ndamel niku mas";
28 }
29 return 0;
30 }
31 }
```

Compilation results...

- Errors: 0
- Warnings: 0
- Output Filename: D:\Tugas\Coding\Prokom icul\tugas kuliah\3a.exe
- Output Size: 1.83403968011035 MiB
- Compilation Time: 2.58s

Line: 13 Col: 66 Sel: 0 Lines: 31 Length: 1385 Insert Done parsing in 0.031 seconds

D:\Tugas\Coding\Prokom icul\tugas kuliah\3a.exe

Warung Bu Samik

=====

|                           |          |
|---------------------------|----------|
| 1.Sego jangan asem + tahu | Rp 5000  |
| 2.Sego Tiwul unyu unyu    | Rp 7000  |
| 3.Sego gelut gendeng      | Rp 8000  |
| 4.Sego sak karepmu        | Rp 10000 |

=====

Tumbas sing pundi mas? 4

oh enggeh Sego sak karepmu, 10000 yo mas. njenengan linggah rumiyen

-----

Process exited after 8.656 seconds with return value 0

Press any key to continue . . .

## 2. Buat program dengan input untuk mencari bilangan terkecil dari 4 buah bilangan.

The image displays two screenshots of a C++ IDE (Dev-C++ 5.11) showing the development of a program to find the minimum of four numbers.

**Top Screenshot:** The code is in `3b.cpp`. It includes `<iostream>` and uses the `std` namespace. The `main` function declares variables `a, b, c, d, min1` and a character `ulang`. It prompts the user to input four numbers (`cin >> a;`, `cin >> b;`, `cin >> c;`, `cin >> d;`). It then uses a series of `if` statements to determine the minimum value and print it. The compilation results show 0 errors and 0 warnings.

```
1 #include <iostream>
2 using namespace std;
3 int main()
4 {
5 int a,b,c,d,min1;
6 char ulang;
7 do
8 {
9 cout<<"masukkan nilai-1 = ";cin>>a;
10 cout<<"masukkan nilai-2 = ";cin>>b;
11 cout<<"masukkan nilai-3 = ";cin>>c;
12 cout<<"masukkan nilai-4 = ";cin>>d;
13 if(a<b&&a<c&&a<d)
14 {
15 cout<<"Maka angka terkecil adalah = "<<a<<endl;
16 }
17 else if (b<a&&b<c&&b<d)
18 {
19 cout<<"Maka angka terkecil adalah = "<<b<<endl;
20 }
21 else if(c<a&&c<b&&c<d)
22 {
23 cout<<"Maka angka terkecil adalah = "<<c<<endl;
24 }
25 else
26 {
27 cout<<"Maka angka terkecil adalah = "<<d<<endl;
28 cout<<"Apakah anda akan mengulang program[Y/T] ?";cin>>ulang;
29 while(ulang=='y' || ulang=='Y');
30 }
31 return 0;
32 }
```

**Bottom Screenshot:** The code is in `3c.cpp`. It is similar to the top screenshot but includes a `while` loop to ask the user if they want to repeat the program. The compilation results show 0 errors and 0 warnings.

```

D:\Tugas\Coding\Prokom icul\tugas kuliah\3b.exe
masukkan nilai-1 = 238123
masukkan nilai-2 = 231677
masukkan nilai-3 = 391890
masukkan nilai-4 = 436272
Maka angka terkecil adalah = 231677
Apakah anda akan mengulang program[Y/T] ?y
masukkan nilai-1 = 4353627
masukkan nilai-2 = 4342523
masukkan nilai-3 = 4352728
masukkan nilai-4 = 4352628
Maka angka terkecil adalah = 4342523
Apakah anda akan mengulang program[Y/T] ?

```

3. Perusahaan Susu ABC ingin membuat sistem penjualan susu dengan tampilan sebagai berikut :

Masukkan Kode Susu (1-3) : 2  
 Masukkan Jumlah Pembelian : 5  
 Masukkan Ukuran (B/S/K) : S

Susu Indomilk  
 Harga Susu Rp. 4000.00  
 Jumlah Pembelian Rp. 20000.00

Untuk daftar harga produk susu dapat dilihat pada tabel di bawah ini :

| Kode Susu | Nama Produk | Ukuran                               | Harga                                       |
|-----------|-------------|--------------------------------------|---------------------------------------------|
| 1         | Dancow      | B = Besar<br>S = Sedang<br>K = Kecil | Rp. 10.000,-<br>Rp. 4.250,-<br>Rp. 2.100,-  |
| 2         | Indomilk    | B = Besar<br>S = Sedang<br>K = Kecil | Rp. 8.500,-<br>Rp. 4.000,-<br>Rp. 2.025,-   |
| 3         | Sustacal    | B = Besar<br>S = Sedang<br>K = Kecil | Rp. 17.000,-<br>Rp. 14.500,-<br>Rp. 8.300,- |

Buat program dengan menggunakan nested switch ! (buat dengan kreasi anda )

The image displays two screenshots of a C++ program running in Dev-C++.

**Top Screenshot:** The program is at line 22 of 3c.cpp. It displays a menu titled "Daftar Produk Toko Jajanan Hari Raya". The menu lists three products with their codes, names, sizes, and prices:

| Kode | Nama Produk | Ukuran   | Harga    |
|------|-------------|----------|----------|
| 1    | Makroni     | Besar    | Rp 20000 |
| 1    | Makroni     | Tanggung | Rp 17000 |
| 1    | Makroni     | Kecil    | Rp 15000 |
| 2    | Ladrang     | Besar    | Rp 16000 |
| 2    | Ladrang     | Tanggung | Rp 12000 |
| 2    | Ladrang     | Kecil    | Rp 10000 |
| 3    | Cokies      | Besar    | Rp 30000 |
| 3    | Cokies      | Tanggung | Rp 28000 |
| 3    | Cokies      | Kecil    | Rp 25000 |

**Bottom Screenshot:** The program is at line 43 of 3c.cpp. It shows the logic for processing a purchase based on the user's input for code, quantity, and size. It uses a switch statement for the code and another switch statement for the size to determine the final price.

```
do
{
 cout<<"Masukkan kode barang yang akan dibeli = ";cin>>kode;
 cout<<"Jumlah barang yang akan anda beli = ";cin>>pembelian;
 cout<<"Ukuran yang akan anda beli [B/T/K] = ";cin>>ukuran;

 if(ukuran=='b' || ukuran=='B')
 ukuran1=1;
 else if(ukuran=='t' || ukuran=='T')
 ukuran1=2;
 else if(ukuran=='k' || ukuran=='K')
 ukuran1=3;
 else cout<<"Bukan ukuran";

 switch(kode)
 {
 case 1: switch(ukuran1)
 {
 case 1 : harga=20000;break;
 case 2 : harga=17000;break;
 case 3 : harga=15000;break;
 }
 }
}
```

The image displays two screenshots of a Dev-C++ IDE, showing the source code for a C++ program. The program appears to be a menu-driven application for calculating the total price of items based on user input.

**First Screenshot (Top):** Shows the `switch(kode)` statement, which handles different menu options (1, 2, 3) and their corresponding prices. The code is as follows:


```
switch(kode)
{
 case 1: switch(ukuran1)
 {
 case 1 : harga=20000;break;
 case 2 : harga=17000;break;
 case 3 : harga=15000;break;
 }break;
 case 2: switch(ukuran1)
 {
 case 1 : harga=16000;break;
 case 2 : harga=12000;break;
 case 3 : harga=10000;break;
 }break;
 case 3: switch(ukuran1)
 {
 case 1 : harga=30000;break;
 case 2 : harga=28000;break;
 case 3 : harga=25000;break;
 }break;
 default : cout<<"salah input\n";
}
```

**Second Screenshot (Bottom):** Shows the continuation of the program, including the calculation of the total price and a loop for repeating the process. The code is as follows:

```
//Rumus perhitungan
total=pembelian*harga;

cout<<"Harga Jajanan = "<<harga<<endl;
cout<<"Total pembayaran = "<<total<<endl;
cout<<"Ada lagi yang ingin anda beli [Y/T] ? ";cin>>ulang;
}
while(ulang=='y' || ulang=='Y');
cout<<"Terimakasih, jangan lupa berkunjung kembali";
return 0;
}
```

Both screenshots show the compilation results window, indicating that the program compiled successfully with 0 errors and 0 warnings. The output filename is `D:\Tugas\Coding\Prokom icul\tugas kuliah\3a.exe`, the output size is 1.83403968811035 MiB, and the compilation time is 2.58s.

 D:\Tugas\Coding\Prokom icul\tugas kuliah\3c.exe

| Daftar Produk Toko Jajanan Hari Raya |             |          |          |  |
|--------------------------------------|-------------|----------|----------|--|
| Kode                                 | Nama Produk | Ukuran   | Harga    |  |
| 1                                    | Makroni     | Besar    | Rp 20000 |  |
|                                      |             | Tanggung | Rp 17000 |  |
|                                      |             | Kecil    | Rp 15000 |  |
| 2                                    | Ladrang     | Besar    | Rp 16000 |  |
|                                      |             | Tanggung | Rp 12000 |  |
|                                      |             | Kecil    | Rp 10000 |  |
| 3                                    | Cokies      | Besar    | Rp 30000 |  |
|                                      |             | Tanggung | Rp 28000 |  |
|                                      |             | Kecil    | Rp 25000 |  |

Masukkan kode barang yang akan dibeli = 1  
Jumlah barang yang akan anda beli = 10  
Ukuran yang akan anda beli [B/T/K] = b  
Harga Jajanan = 20000  
Total pembayaran = 200000  
Ada lagi yang ingin anda beli [Y/T] ? y  
Masukkan kode barang yang akan dibeli = 3  
Jumlah barang yang akan anda beli = 254  
Ukuran yang akan anda beli [B/T/K] = t  
Harga Jajanan = 28000  
Total pembayaran = 7112000  
Ada lagi yang ingin anda beli [Y/T] ? \_