

LAPORAN PRAKTIKUM ALGORITMA DAN PEMROGRAMAN

"Tugas nomor 4, 8, 12, 16, 21"



Nama:

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PROGRAM STUDI TEKNIK INFORMATIKA

UNIVERSITAS PANCASILA

2022

Nomor 4

```
#include <iostream>

using namespace std;

int main() {

    int s , volume;

    cout << "Hitung volume kubus\n";

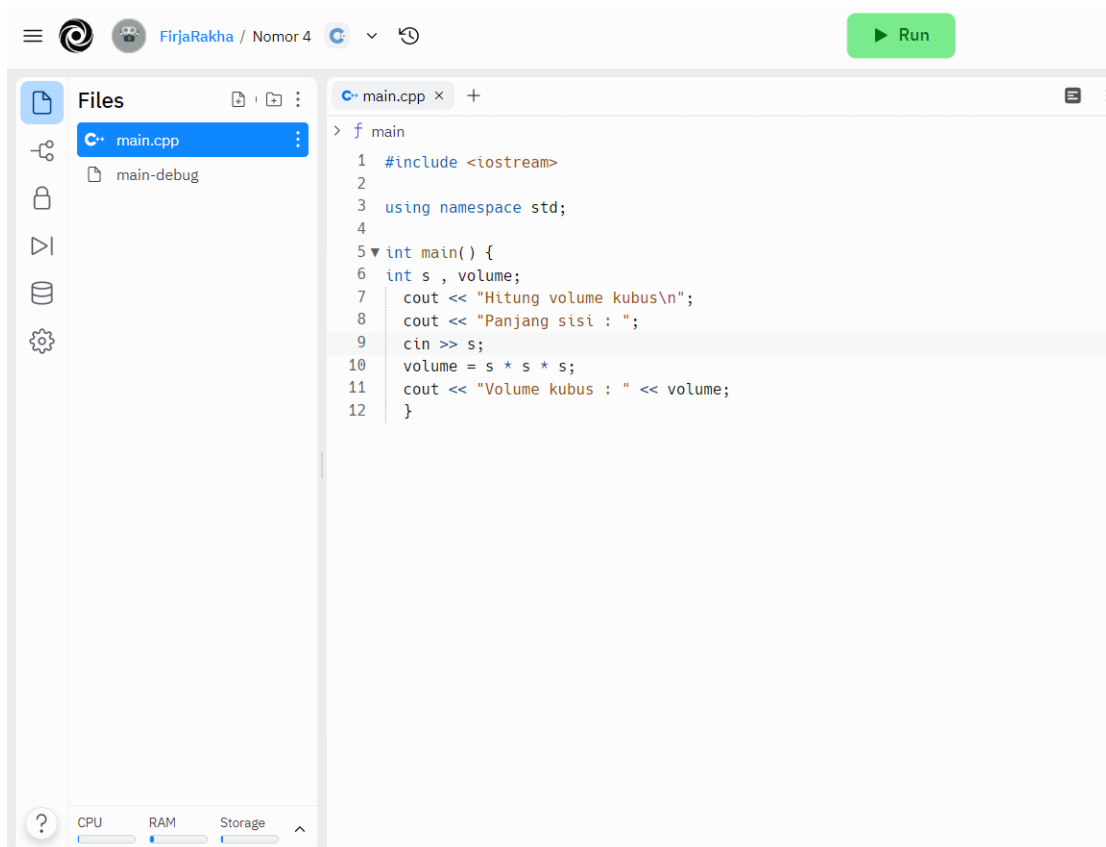
    cout << "Panjang sisi : ";

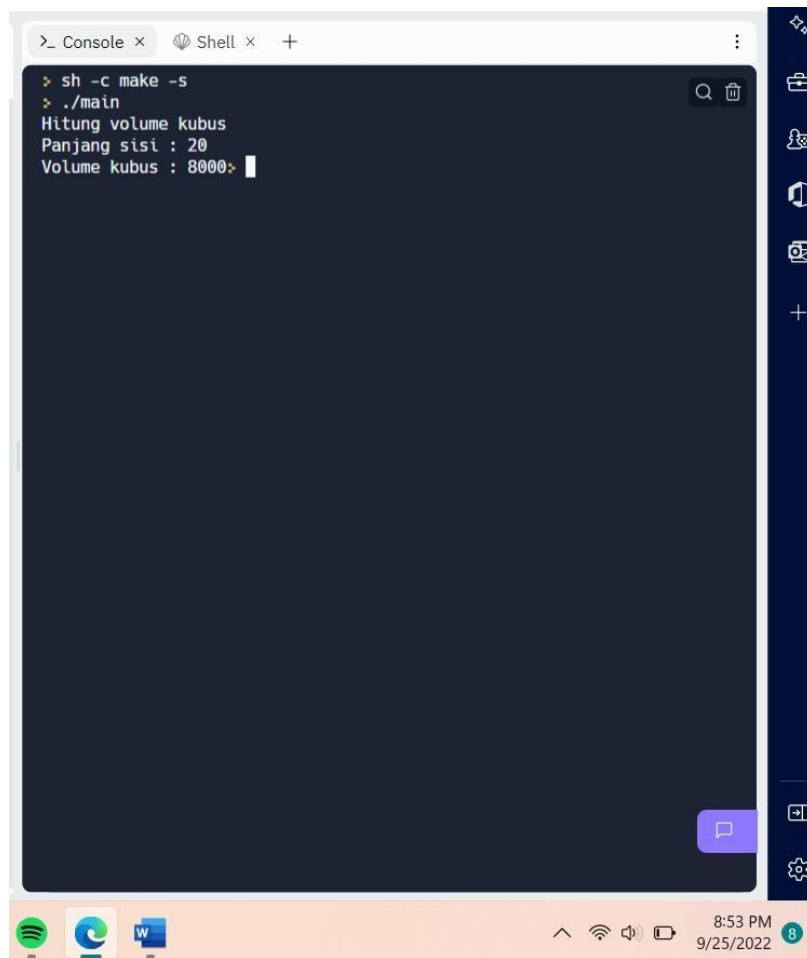
    cin >> s;

    volume = s * s * s;

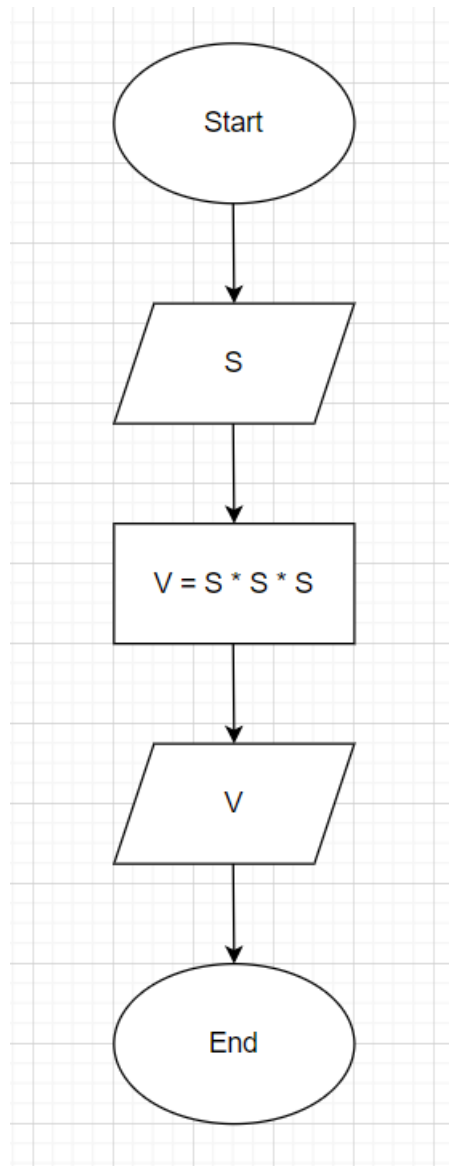
    cout << "Volume kubus : " << volume;

}
```





Flowchart



Pseudocode

Program Runtutan

Kamus/Deklarasi Variabel

S: Integer

V: Integer

Deskripsi

Read (s)

$V \leftarrow S * S * S$

Write (V);

Nomor 8

```
#include <iostream>

using namespace std;

int main() {

    //input

    int gaji_perbulan, bulan, gaji_pertahun;


    cout << "Jumlah Gaji Per Tahun" << endl;

    cout << "gaji_perbulan Rp " ;

    cin >> gaji_perbulan;

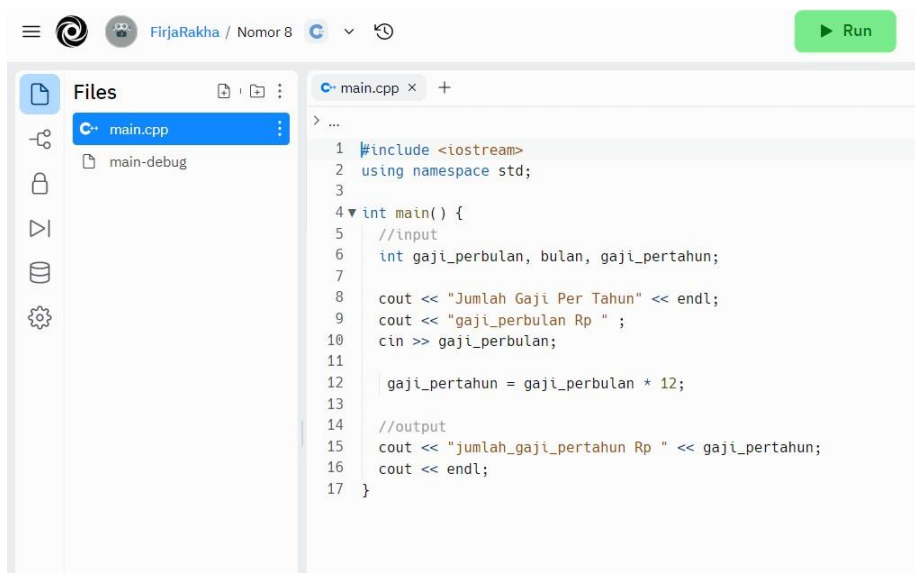

    gaji_pertahun = gaji_perbulan * 12;



    //output

    cout << "jumlah_gaji_pertahun Rp " << gaji_pertahun;

    cout << endl;

}
```





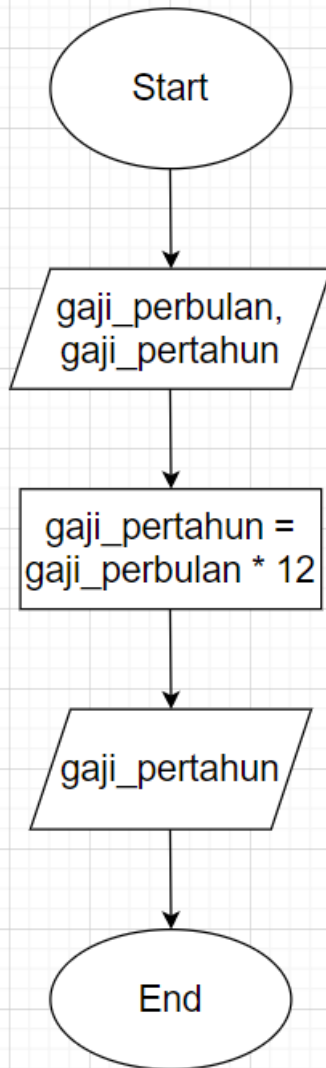
The screenshot shows a Windows terminal window with the following content:

```
>_ Console x Shell x +
> sh -c make -s
> ./main
Jumlah Gaji Per Tahun
gaji_perbulan Rp 10000000
jumlah_gaji_pertahun Rp 120000000
> |
```

The terminal window has a dark blue background. The title bar shows 'Console' and 'Shell' tabs. The right sidebar contains icons for search, trash, and other utilities. The bottom taskbar shows the Windows logo, Spotify, Edge, Word, and system icons for network, volume, and battery, along with the date and time '8:58 PM 9/25/2022'.

Flowchart

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Pseudocode

Program gaji_pertahun

Deskripsi:

Gaji: Integer

Bulan: Integer

Implementasi

Gaji <-- Rp1.000.000

Bulan <-- 12

Gaji pertahun <-- 1.000.000 * 12

Nomor 12

```
#include <iostream>
```

```
using namespace std;
```

```
int main() {
```

```
int satuan_bangku, baris_bangku, keseluruhan;
```

```
    cout << "satuan bangku : ";
```

```
    cin >> satuan_bangku;
```

```
    cout << "baris bangku : ";
```

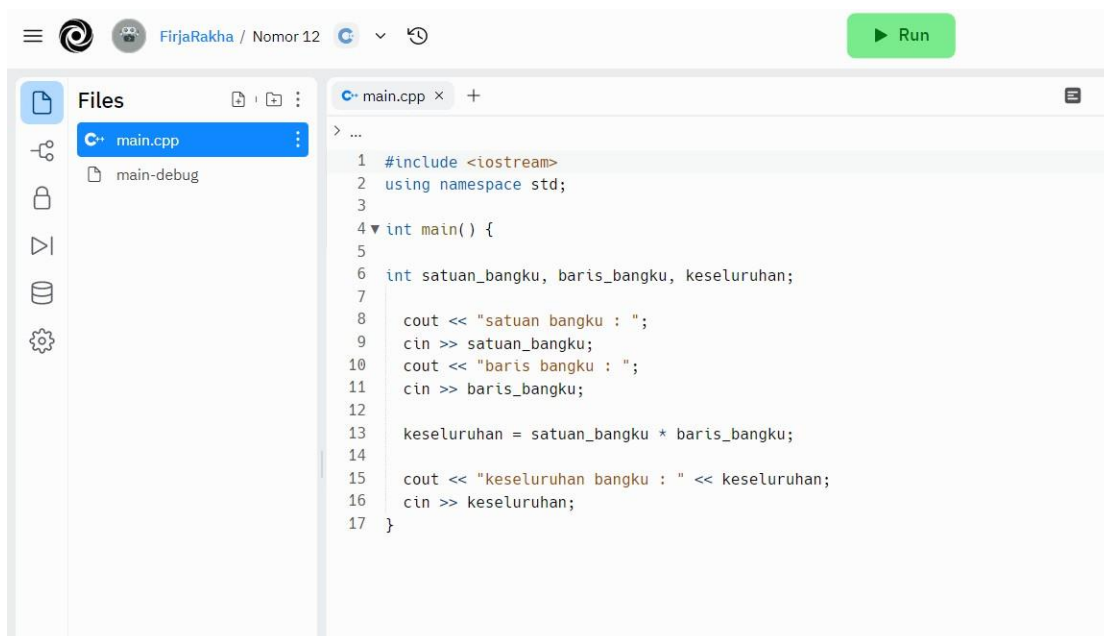
```
    cin >> baris_bangku;
```

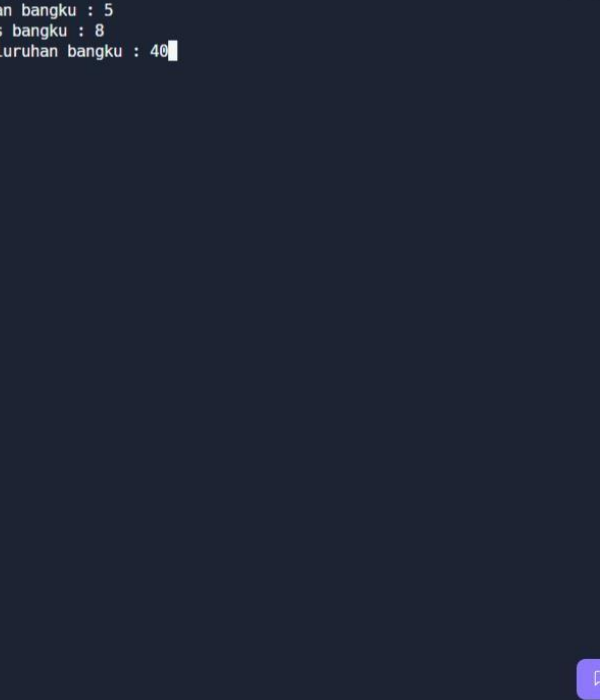
```
    keseluruhan = satuan_bangku * baris_bangku;
```

```
    cout << "keseluruhan bangku : " << keseluruhan;
```

```
    cin >> keseluruhan;
```

```
}
```

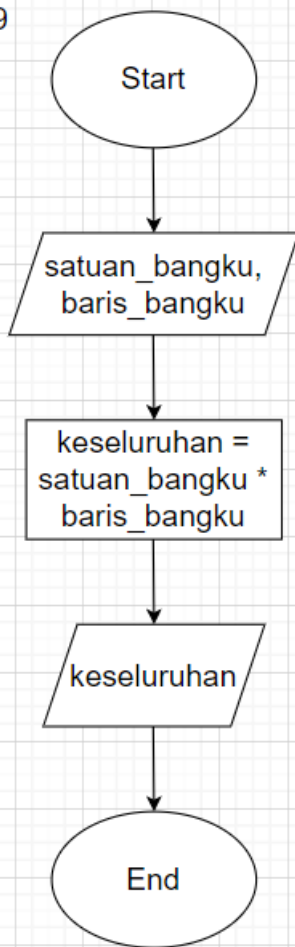




```
>_ Console x Shell x +
> sh -c make -s
> ./main
satuan bangku : 5
baris bangku : 8
keseluruhan bangku : 40
```

Flowchart

9



Pseudocode

Program keseluruhan_bangku

Deskripsi

Satuan bangku: integer

Baris bangku: integer

Implementasi

Satuan bangku <-- 5

Baris bangku <-- 8

Keseluruhan bangku <-- satuan bangku * baris bangku

Nomor 16

```
#include <iostream>

using namespace std;

int main() {

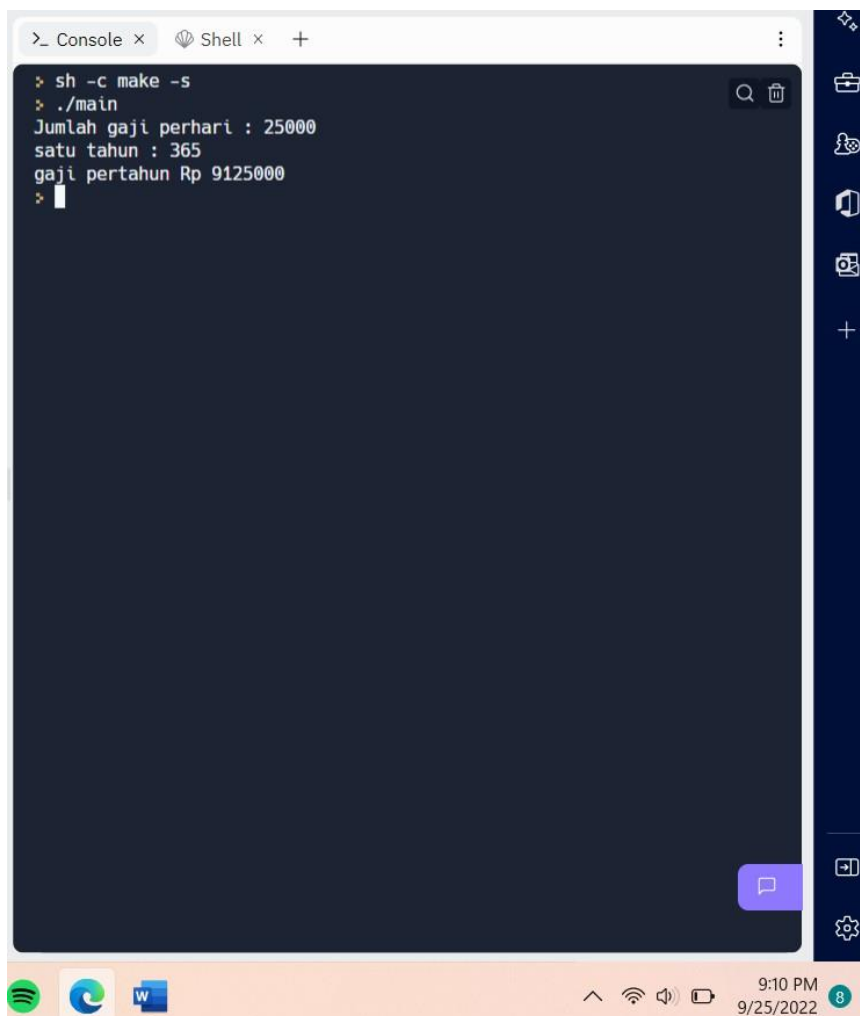
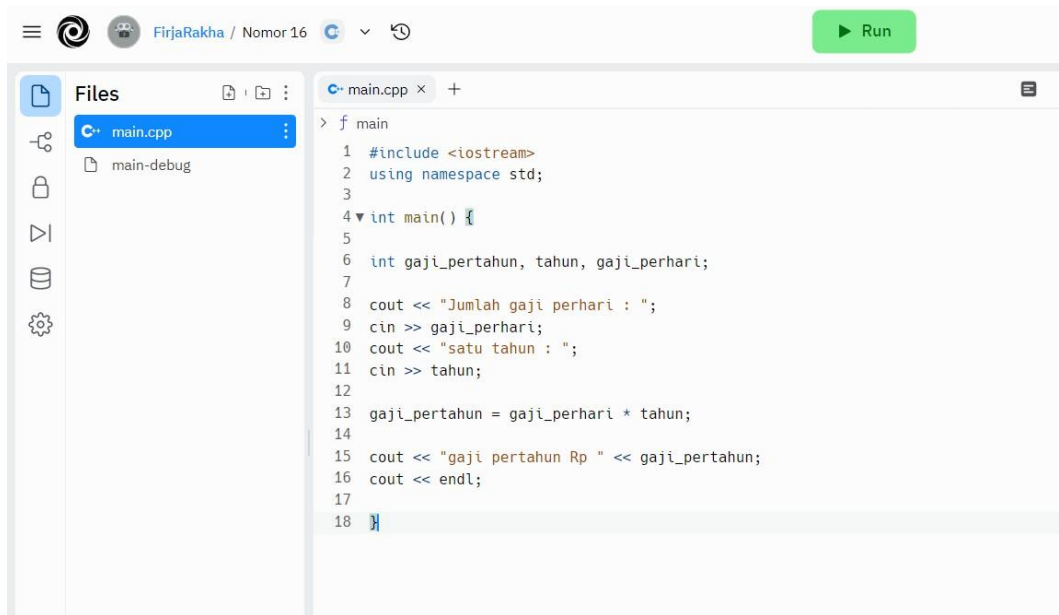
    int gaji_pertahun, tahun, gaji_perhari;

    cout << "Jumlah gaji perhari : ";
    cin >> gaji_perhari;
    cout << "satu tahun : ";
    cin >> tahun;

    gaji_pertahun = gaji_perhari * tahun;

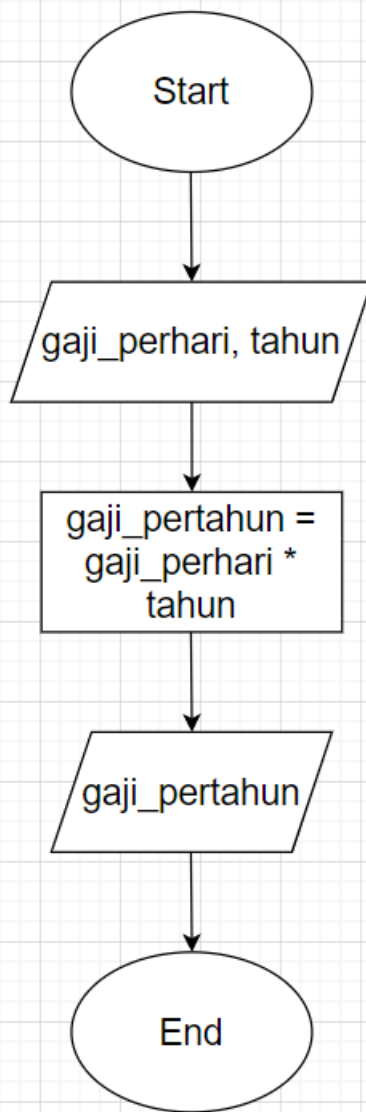
    cout << "gaji pertahun Rp " << gaji_pertahun;
    cout << endl;

}
```



Flowchart

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Pseudocode

Program gaji_pertahun

Deskripsi

Gaji: Integer

Hari: Integer

Implementasi

Gaji <-- Rp25000

```
Hari <-- 365
```

```
Gaji pertahun <-- 25000 * 365
```

Nomor 21

```
#include <iostream>
```

```
using namespace std;
```

```
int main() {
```

```
    int biaya_pelayanan, biaya_pasang, pendapatan;
```

```
    cout << "biaya pelayanan : ";
```

```
    cin >> biaya_pelayanan;
```

```
    cout << "biaya pasang : ";
```

```
    cin >> biaya_pasang;
```

```
    pendapatan = biaya_pelayanan + biaya_pasang;
```

```
    cout << "pendapatan bulan itu : " << pendapatan;
```

```
    cin >> pendapatan;
```

```
}
```


FirjaRakha / Nomor 21

Files

- main.cpp
- main-debug

```
> f main
1 #include <iostream>
2 using namespace std;
3
4 int main() {
5     int biaya_pelayanan, biaya_pasang, pendapatan;
6
7     cout << "biaya pelayanan : ";
8     cin >> biaya_pelayanan;
9     cout << "biaya pasang : ";
10    cin >> biaya_pasang;
11
12
13    pendapatan = biaya_pelayanan + biaya_pasang;
14
15    cout << "pendapatan bulan itu : " << pendapatan;
16    cin >> pendapatan;
17
18 }
```

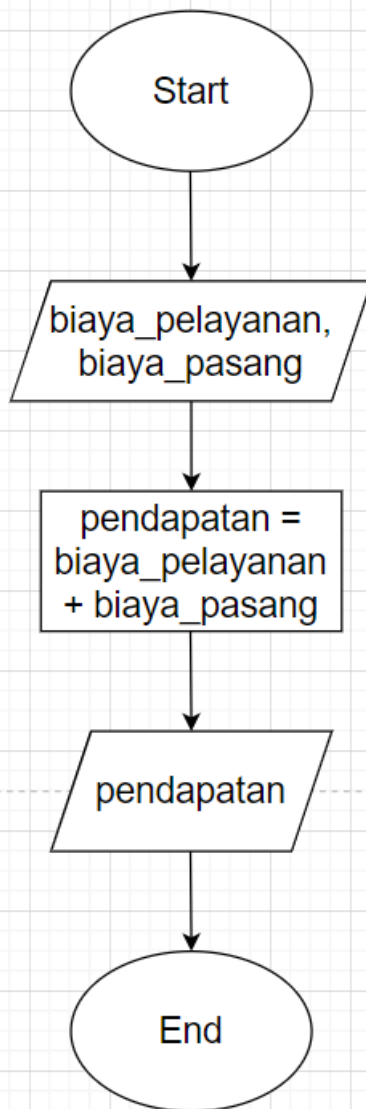
_ Console x Shell x +

```
> sh -c make -s
> ./main
biaya pelayanan : 9150000
biaya pasang : 30062500
pendapatan bulan itu : 39212500
```

9:16 PM
9/25/2022

Flowchart

21



Pseudocode

Program pendapatan_bulan_April

Deskripsi

Biaya layanan: Integer

Biaya pasang: Integer

Implementasi

Total biaya layanan <-- 9.150.000

Total biaya pasang <-- 30.062.500

Pendapatan <-- 9.150.000 + 30.062.500