JAWABAN TUGAS PENDAHULUAN MODUL 1
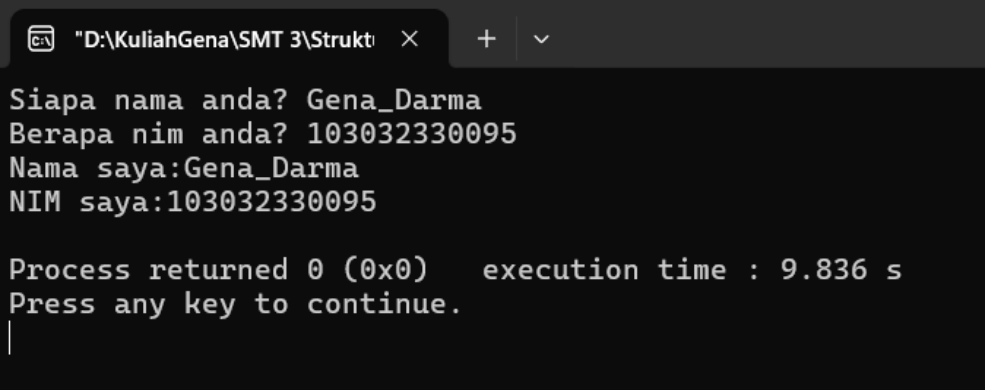
1. Kode :

```cpp
#include <iostream>

using namespace std;

int main(){
    string nama, nim;
    cout << "Siapa nama anda? ";
    cin >> nama;
    cout << "Berapa nim anda? ";
    cin >> nim;
    cout << "Nama saya:" << nama << endl;
    cout << "NIM saya:" << nim << endl;
    return 0;
}
```
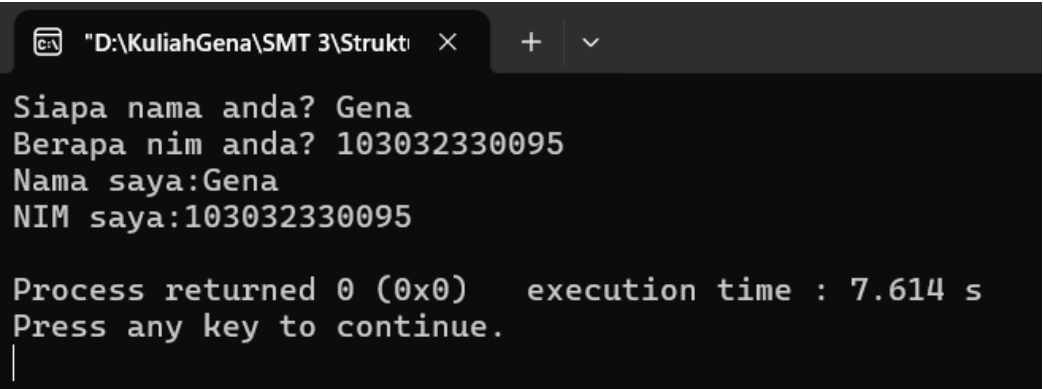
Hasil :

a)

```
Siapa nama anda? Gena_Darma
Berapa nim anda? 103032330095
Nama saya:Gena_Darma
NIM saya:103032330095

Process returned 0 (0x0)   execution time : 9.836 s
Press any key to continue.
```

b)

```
Siapa nama anda? Gena
Berapa nim anda? 103032330095
Nama saya:Gena
NIM saya:103032330095

Process returned 0 (0x0)   execution time : 7.614 s
Press any key to continue.
```

2. Kode :

```cpp
#include <iostream>

using namespace std;

int main(){
    int bil1 = 3, bil2 = 4, hasil1;
    float bil3 = 3.0, bil4 = 4.0, hasil2;
    hasil1 = bil1 + bil2;
    cout << hasil1 << endl;
    hasil1 = bil1 - bil2;
    cout << hasil1 << endl;
    hasil1 = bil1 * bil2;
    cout << hasil1 << endl;
    hasil1 = bil1 / bil2;
    cout << hasil1 << endl;
    hasil1 = bil2 / bil1;
    cout << hasil1 << endl;
    hasil1 = bil1 % bil2;
    cout << hasil1 << endl;
    hasil1 = bil2 % bil1;
    cout << hasil1 << endl;
    hasil2 = bil3 / bil4;
    cout << hasil2 << endl;
    return 0;
}
```

Hasil:

```
7
-1
12
0
1
3
1
0.75

Process returned 0 (0x0)   execution time : 0.043 s
Press any key to continue.
```

3. Kode :

```cpp
#include <iostream>

using namespace std;

int main(){
    int bil1 = 2, bil2 = 3, hasil;
    hasil = bil1 > bil2;
    cout << hasil << endl;
    hasil = bil1 >= bil2;
    cout << hasil << endl;
    hasil = bil1 < bil2;
    cout << hasil << endl;
    hasil = bil1 <= bil2;
    cout << hasil << endl;
    hasil = bil1 == bil2;
    cout << hasil << endl;
    hasil = bil1 != bil2;
    cout << hasil << endl;
    return 0;
}
```

Hasil :

```
0
0
1
1
0
1

Process returned 0 (0x0)   execution time : 0.043 s
Press any key to continue.
```

4. Kode :

```cpp
#include <iostream>

using namespace std;

int main(){
    int bil1 = 2, bil2 = 3, hasil;
    hasil = bil1 <= bil2 and bil1 < bil2;
    cout << hasil << endl;
    hasil = bil1 >= bil2 or bil1 < bil2;
    cout << hasil << endl;
    hasil = not(bil1 >= bil2) or bil1 < bil2;
    cout << hasil << endl;
    return 0;
}
```

Hasil :

```
1
1
1

Process returned 0 (0x0)   execution time : 0.038 s
Press any key to continue.
```

5. Kode :

```cpp
#include <iostream>

using namespace std;

int main(){
    int nilai;
    cin >> nilai;
    if (nilai > 80) {
        cout << "A" << endl;
    } else {
        cout << "Bukan A" << endl;
    }
    return 0;
}
```

Hasil :

a) Input 80

```
80
Bukan A

Process returned 0 (0x0)    execution time : 7.688 s
Press any key to continue.
```

b) Input 81

```
81
A

Process returned 0 (0x0)    execution time : 1.593 s
Press any key to continue.
```

c) Input 79

```
79
Bukan A

Process returned 0 (0x0)    execution time : 2.389 s
Press any key to continue.
```

6. Kode :

```cpp
#include <iostream>

using namespace std;

int main(){
    int a, b, bilangan;
    cout << "Masukan batas bawah: ";
    cin >> a;
    cout << "Masukan batas atas: ";
    cin >> b;
    for (bilangan = a; bilangan <= b; bilangan++) {
        cout << "Bilangan " << bilangan << endl;
    }
    return 0;
}
```

Hasil :

```
Masukan batas bawah: 1
Masukan batas atas: 10
Bilangan 1
Bilangan 2
Bilangan 3
Bilangan 4
Bilangan 5
Bilangan 6
Bilangan 7
Bilangan 8
Bilangan 9
Bilangan 10

Process returned 0 (0x0)   execution time : 3.721 s
Press any key to continue.
```

7. Kode :

```cpp
#include <iostream>

using namespace std;

int main(){
    int bilangan, asli, jumlah;

    cout << "Masukkan bilangan asli: ";
    cin >> asli;

    bilangan = 1;
    jumlah = 0;
    while (bilangan <= asli) {
        if (bilangan % 2 == 0) {
            jumlah += bilangan;
        }
        bilangan++;
    }
    cout << "Jumlah bilangan genap: " << jumlah << endl;
    return 0;
}
```

Hasil :

```
"D:\KuliahGena\SMT 3\Strukt    X    +    v

Masukkan bilangan asli: 10
Jumlah bilangan genap: 30

Process returned 0 (0x0)    execution time : 10.693 s
Press any key to continue.
```