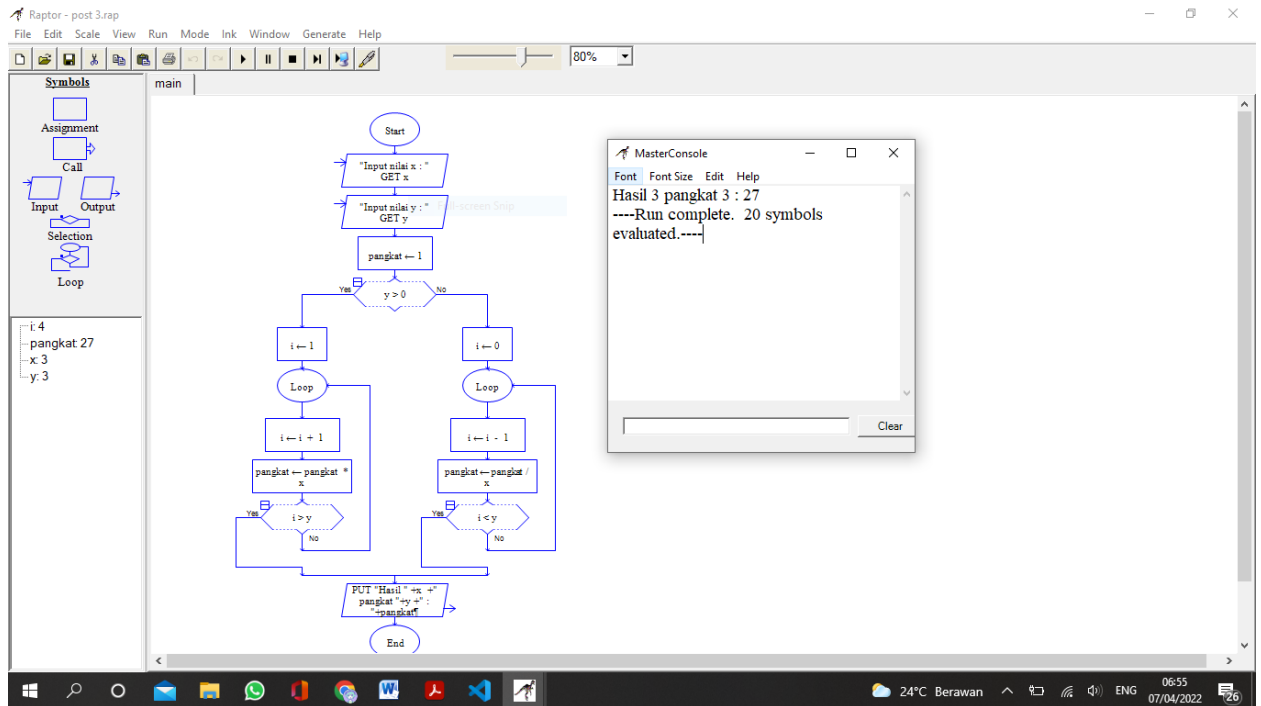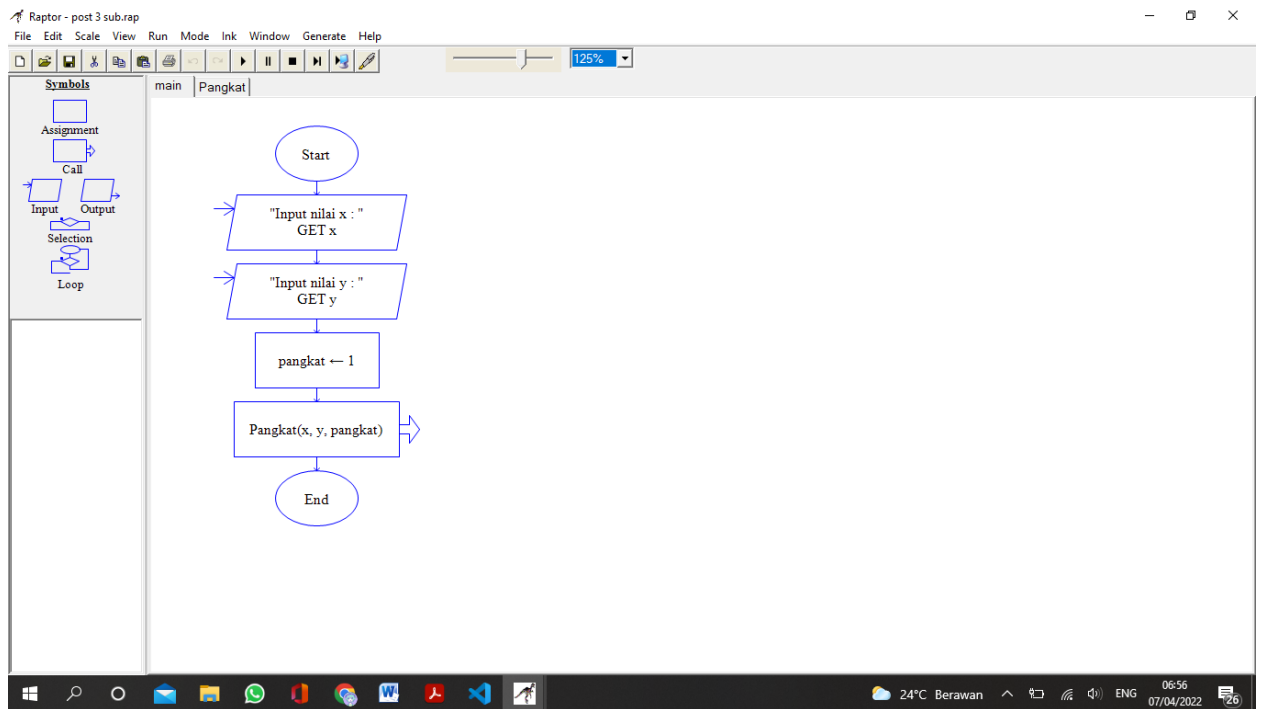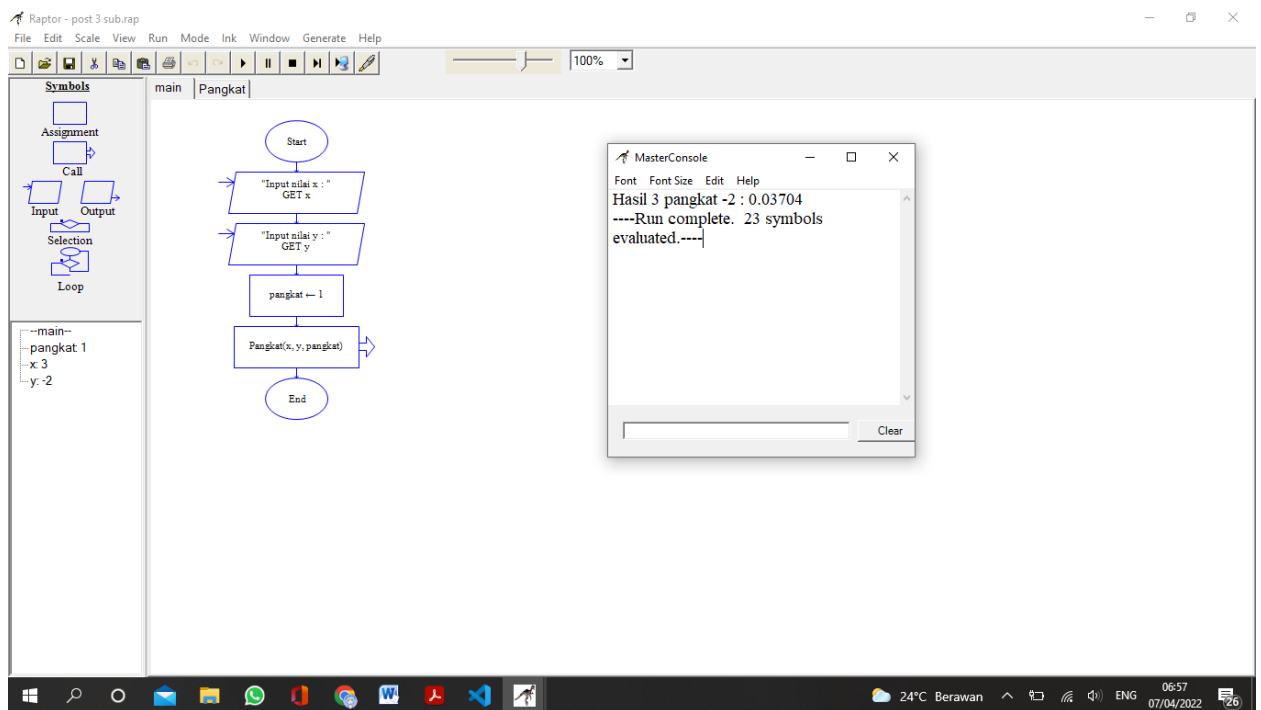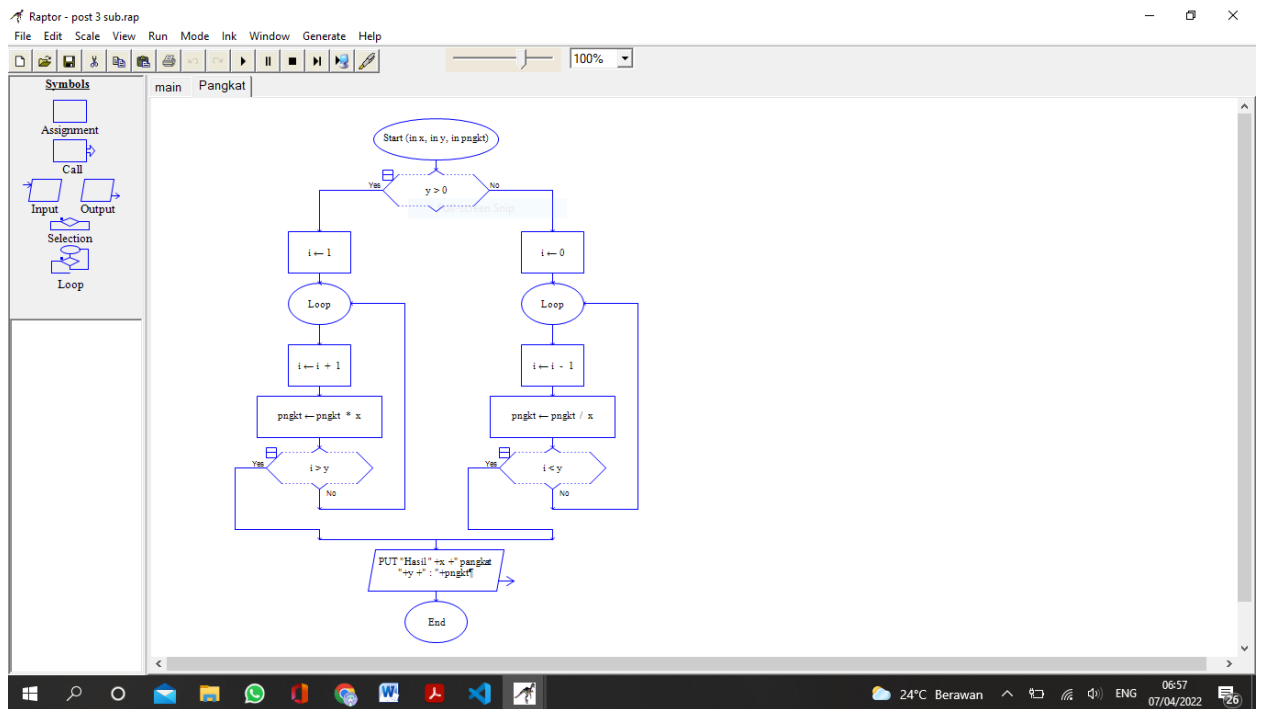## POSTEST 3

1. Screenshot flowchart raptor tanpa sub program

2. Screenshot flowchart raptor dengan sub program

3. Screenshot program C++ tanpa sub program

```cpp
1    #include <iostream>
2    using namespace std;
3
4    class Loop {
5        friend istream& operator >> (istream&, Loop& input);
6    private:
7        int x, y, i; // input
8        float pangkat=1; // output
9
10   public:
11       float perulangan() {
12           if(y > 0) {
13               for(i=1; i<=y; i++)
14               pangkat*=x;
15           }
16           else {
17               for(i=0; i>y; i--)
18               pangkat/=x;
19           }
20           cout << "Hasil " <<x<<  " pangkat "<<y<< " : "<<pangkat;
21           return 0;
22       }
23   };
24
25   istream& operator >> (istream& in, Loop& input) {
26       cout << "Input nilai x : "; in >>input.x;
27       cout << "Input nilai y : "; in >>input.y;
28       input.perulangan();
29       return in;
30   }
31
32   int main() {
33       Loop x;
```

```cpp
22           }
23   };
24
25   istream& operator >> (istream& in, Loop& input) {
26       cout << "Input nilai x : "; in >>input.x;
27       cout << "Input nilai y : "; in >>input.y;
28       input.perulangan();
29       return in;
30   }
31
32   int main() {
33       Loop x;
34       cin >> x;
35       return 0;
36   }
```

Hasil running :

4. Screenshot program C++ dengan sub program

Header "Pangkat.h" :

```cpp
using namespace std;

class Loop {
    friend istream& operator >> (istream&, Loop& input);
private:
    int x, y, i; // input
    float pangkat=1; // output

public:
    float perulangan() {
        if(y > 0) {
            for(i=1; i<=y; i++)
            pangkat*=x;
        }
        else {
            for(i=0; i>y; i--)
            pangkat/=x;
        }
        cout << "Hasil " <<x<<  " pangkat "<<y<< " : "<<pangkat;
        return 0;
    }
};

istream& operator >> (istream& in, Loop& input) {
    cout << "Input nilai x : "; in >>input.x;
    cout << "Input nilai y : "; in >>input.y;
    input.perulangan();
    return in;
}
```

Hasil running :

```cpp
#include <iostream>
#include "Pangkat.h"
using namespace std;

int main() {
    Loop x;
    cin >> x;
    return 0;
}
```

```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS F:\Collage\Sem 2\PRAKTIKUM\ALPRO>  & 'c:\Users\user\.vscode\extensions\ms-vscode.cpptools-1.9.7\debugAdapters\bin\WindowsDebugLauncher.exe' '--stdin=Microsoft-MI
Engine-In-wmx0flb4.4p4' '--stdout=Microsoft-MIEngine-Out-kq3hobuz.j5y' '--stderr=Microsoft-MIEngine-Error-m0ohfhl1.4c0' '--pid=Microsoft-MIEngine-Pid-numthtqg.oij'
'--dbgExe=C:\msys64\mingw64\bin\gdb.exe' '--interpreter=mi'
Input nilai x : 7
Input nilai y : -3
Hasil 7 pangkat -3 : 0.00291545
PS F:\Collage\Sem 2\PRAKTIKUM\ALPRO>
```