

**LAPORAN PRAKTIKUM**  
**ALGORITMA PEMROGRAMAN**

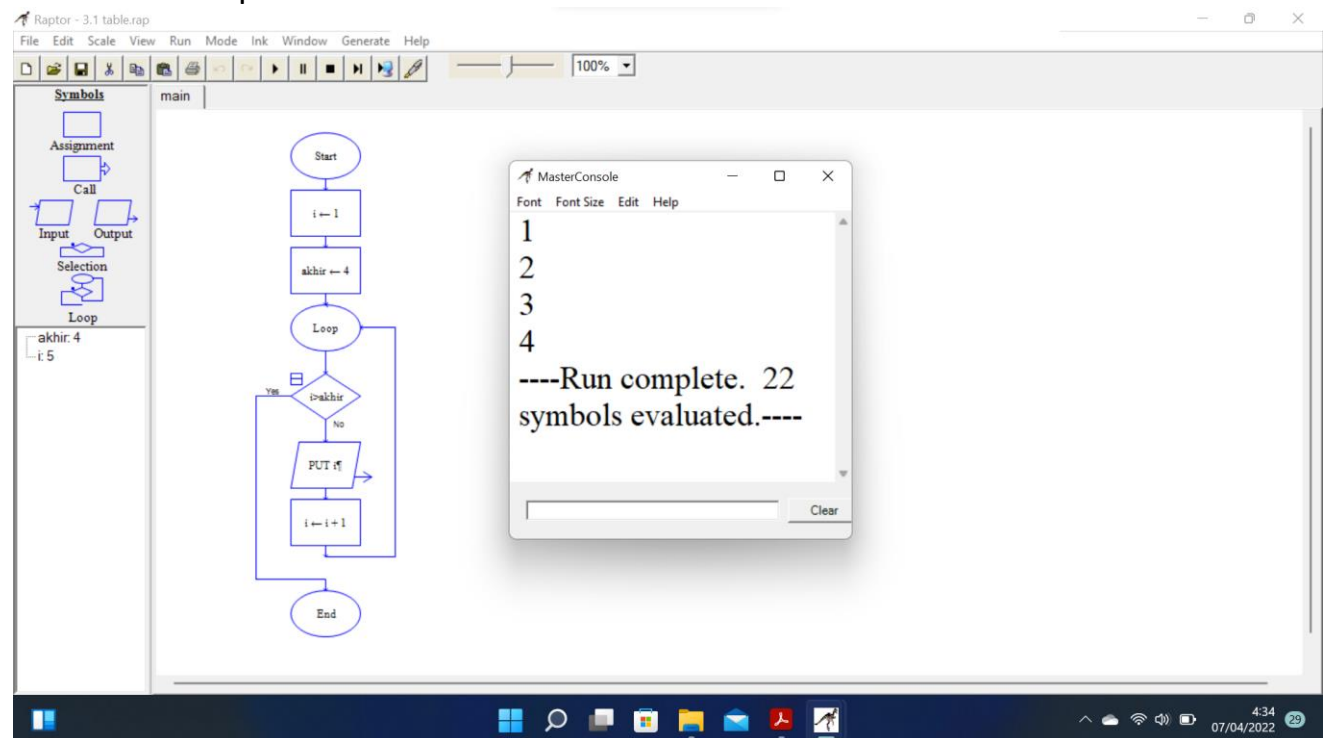


**Disusun Oleh :**

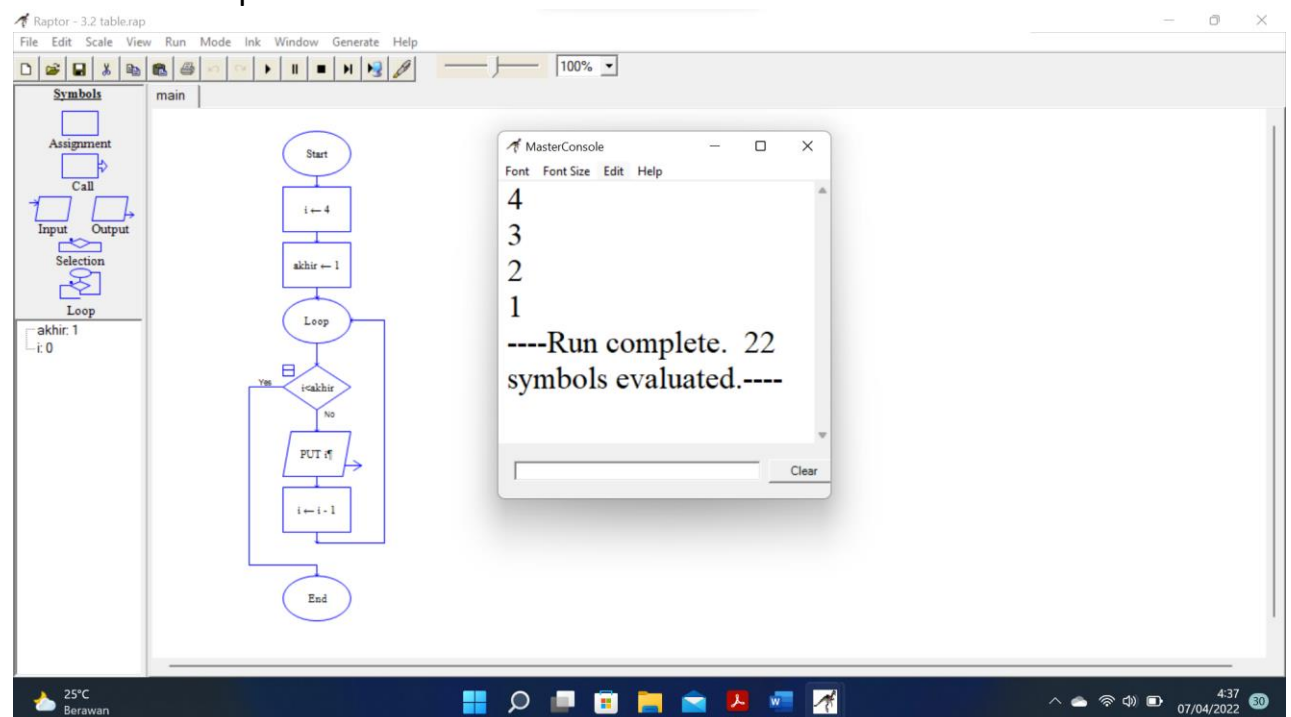
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## 1. Membuat Raptor dari table 3.1



## 2. Membuat Raptor dari table 3.2



Terdapat perbedaan dari kedua table diatas. Pada table 1 output diawali dengan variable i yang bernilai 1 dan dengan akhir yaitu 4 sedangkan pada table 2 output diawali dengan 4 dan diakhiri dengan 1.

## C++ CODE Tabel 1

The screenshot shows the Dev-C++ IDE with a C++ program named 'kegiatan.cpp'. The code defines a class 'urut' with a private member 'i' and a public member function 'output()'. The 'main' function creates an instance of 'urut' and calls 'output()'. The 'output' function uses a while loop to print the value of 'i' from 1 to 4.

```
1 #include <iostream>
2
3 using namespace std;
4 class urut{
5     private:
6         int i;
7     public:
8         urut(){
9             i =1;
10        }
11        void output();
12    };
13    void urut::output(){
14        while(i<=4){
15            cout << i <<endl;
16            i++;
17        }
18    }
19    int main()
20    {
21        urut t;
22        t.output();
23        return 0;
24    }
```

The execution output shows the program running successfully and exiting after 0.07907 seconds with a return value of 0. The output is:

```
1
2
3
4
-----
Process exited after 0.07907 seconds with return value 0
Press any key to continue . . .
```

## C++ CODE Tabel 2

The screenshot shows the Dev-C++ IDE with a C++ program named 'kegiatan.cpp'. The code defines a class 'urut' with a private member 'i' and a public member function 'output()'. The 'main' function creates an instance of 'urut' and calls 'output()'. The 'output' function uses a while loop to print the value of 'i' from 4 down to 1.

```
1 #include <iostream>
2
3 using namespace std;
4 class urut{
5     private:
6         int i;
7     public:
8         urut(){
9             i =4;
10        }
11        void output();
12    };
13    void urut::output(){
14        while(i>=1){
15            cout << i <<endl;
16            i--;
17        }
18    }
19    int main()
20    {
21        urut t;
22        t.output();
23        return 0;
24    }
```

The execution output shows the program running successfully and exiting after 0.08914 seconds with a return value of 0. The output is:

```
4
3
2
1
-----
Process exited after 0.08914 seconds with return value 0
Press any key to continue . . .
```