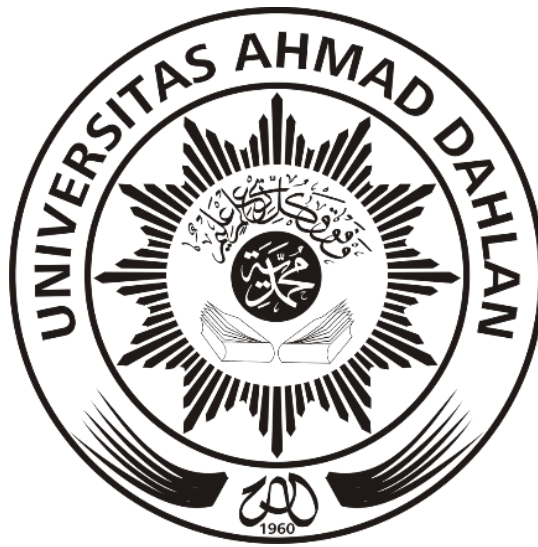


**LAPORAN PRAKTIKUM  
ALGORITMA PEMROGRAMAN**



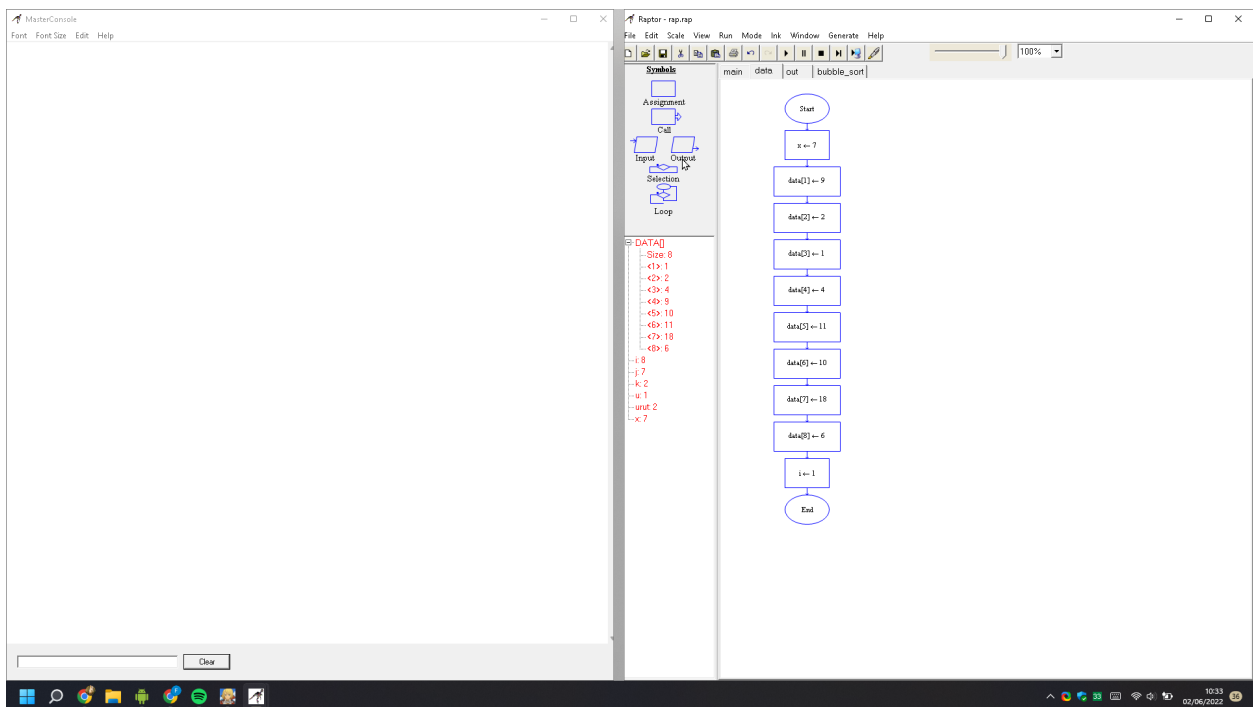
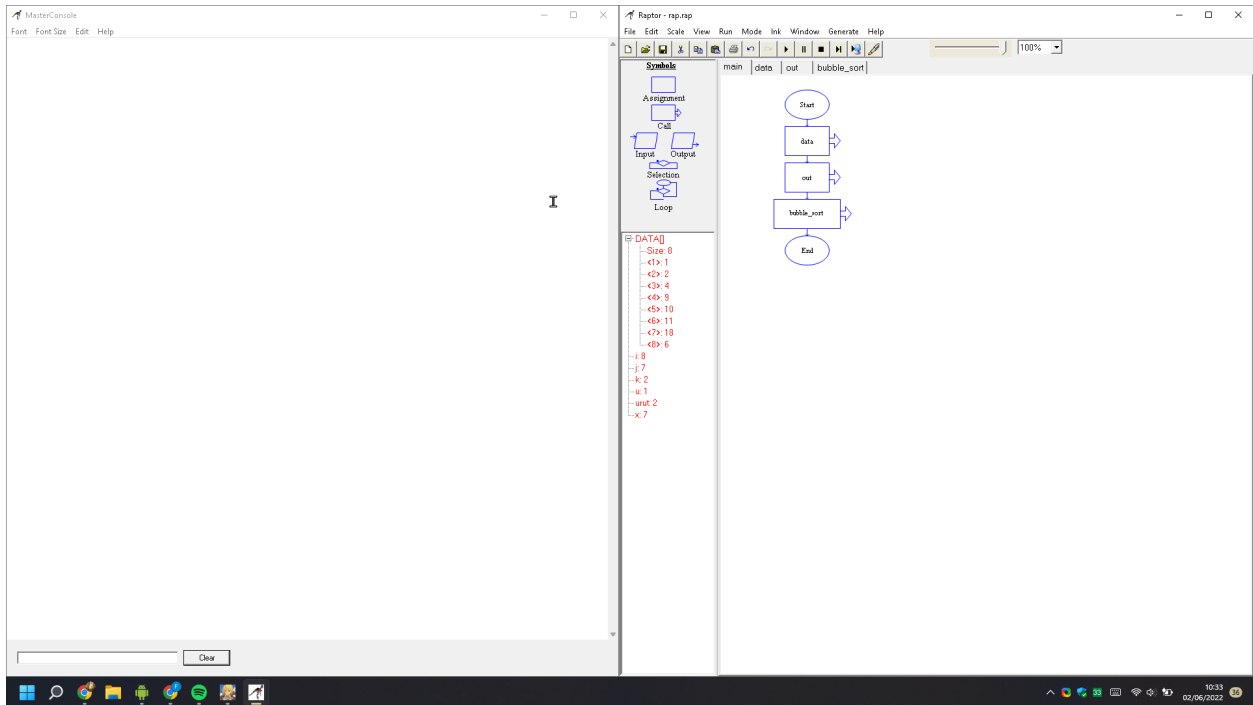
**Disusun Oleh:  
FARID HIBATURRACHMAN (2100018444) - KELAS I**

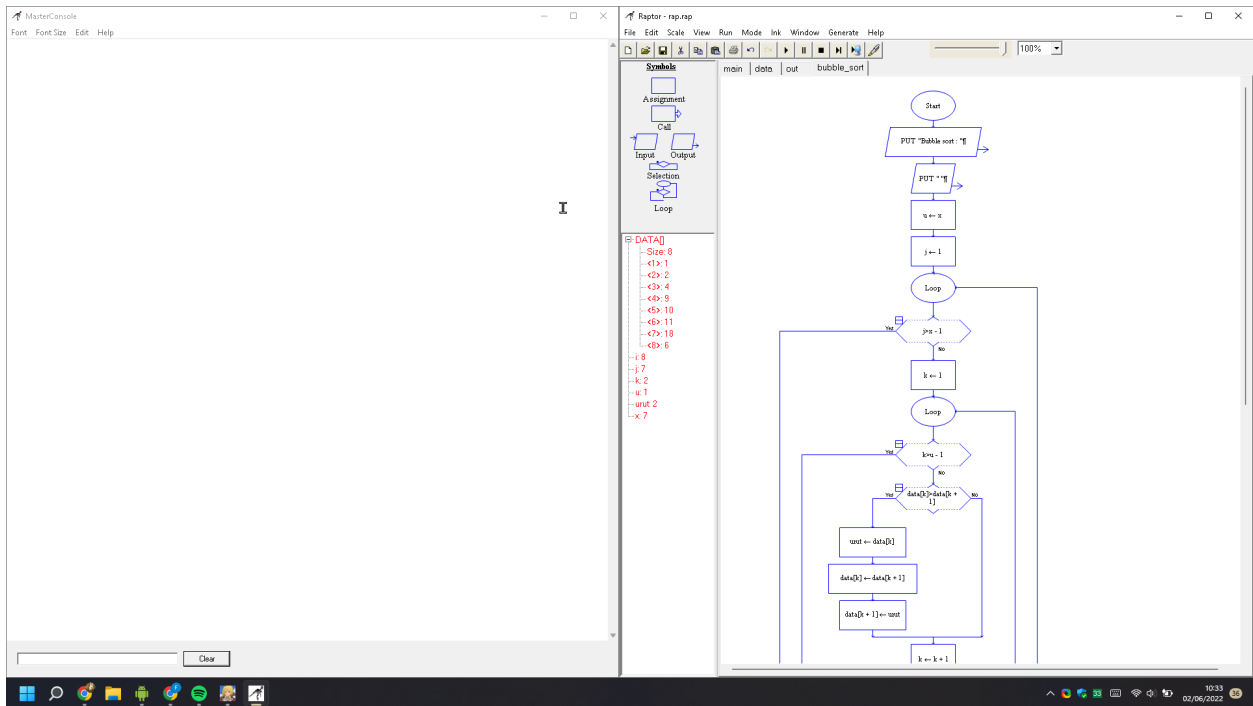
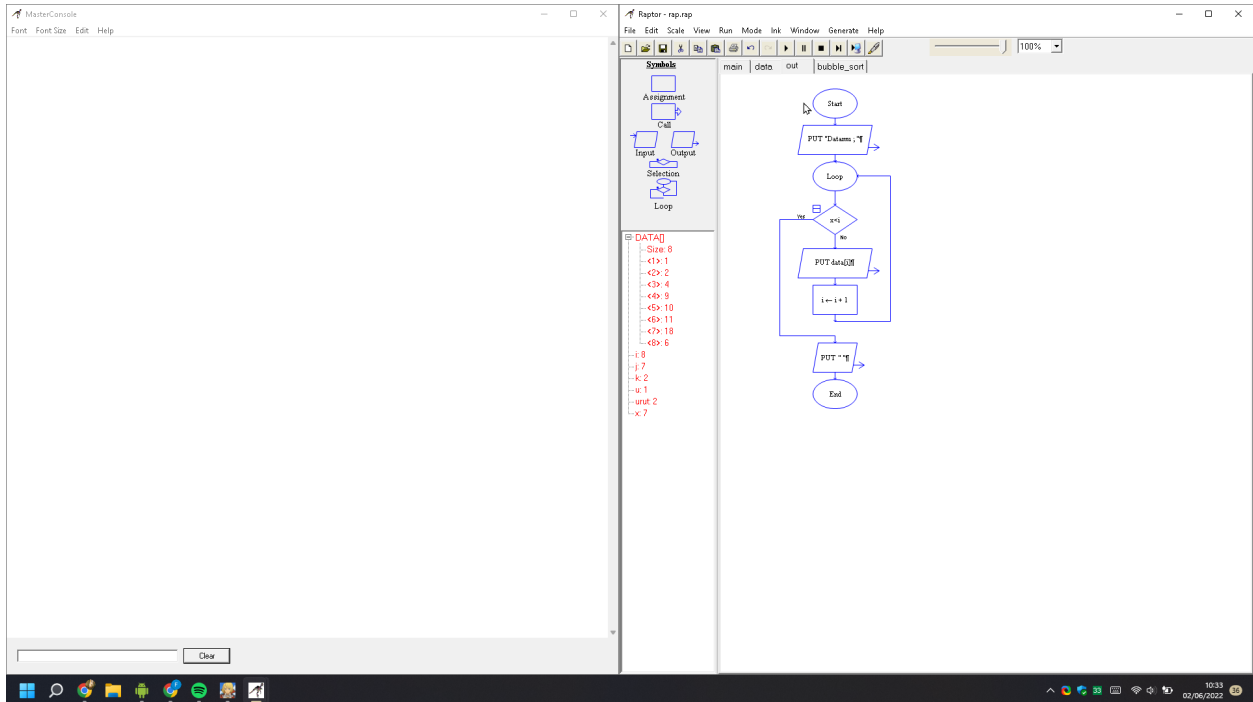
**PROGRAM STUDI INFORMATIKA  
FAKULTAS TEKNOLOGI INDUSTRI  
UNIVERSITAS AHMAD DAHLAN**

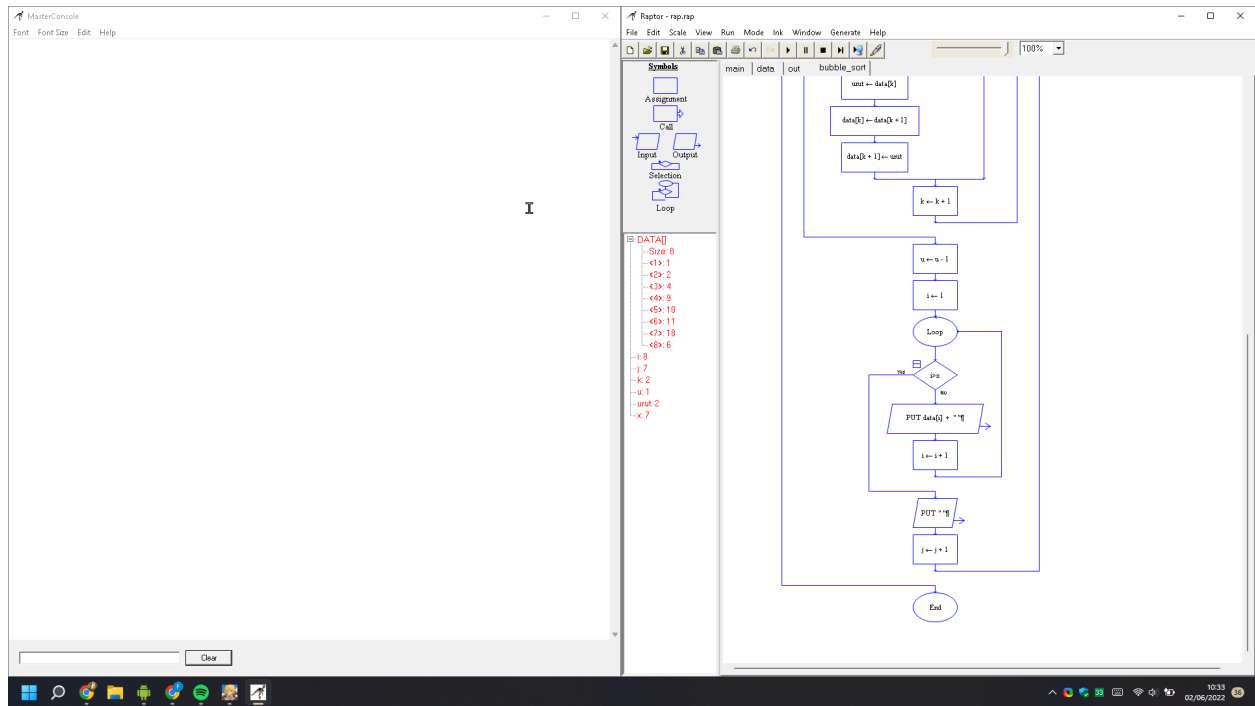
**DESEMBER 2022**

# Posttest

## Flowchart







## Hasil run Flowchart

```
MasterConsole
Font Font Size Edit Help
Datamu ;
9
2
1
4
11
10I
18

Bubble sort :

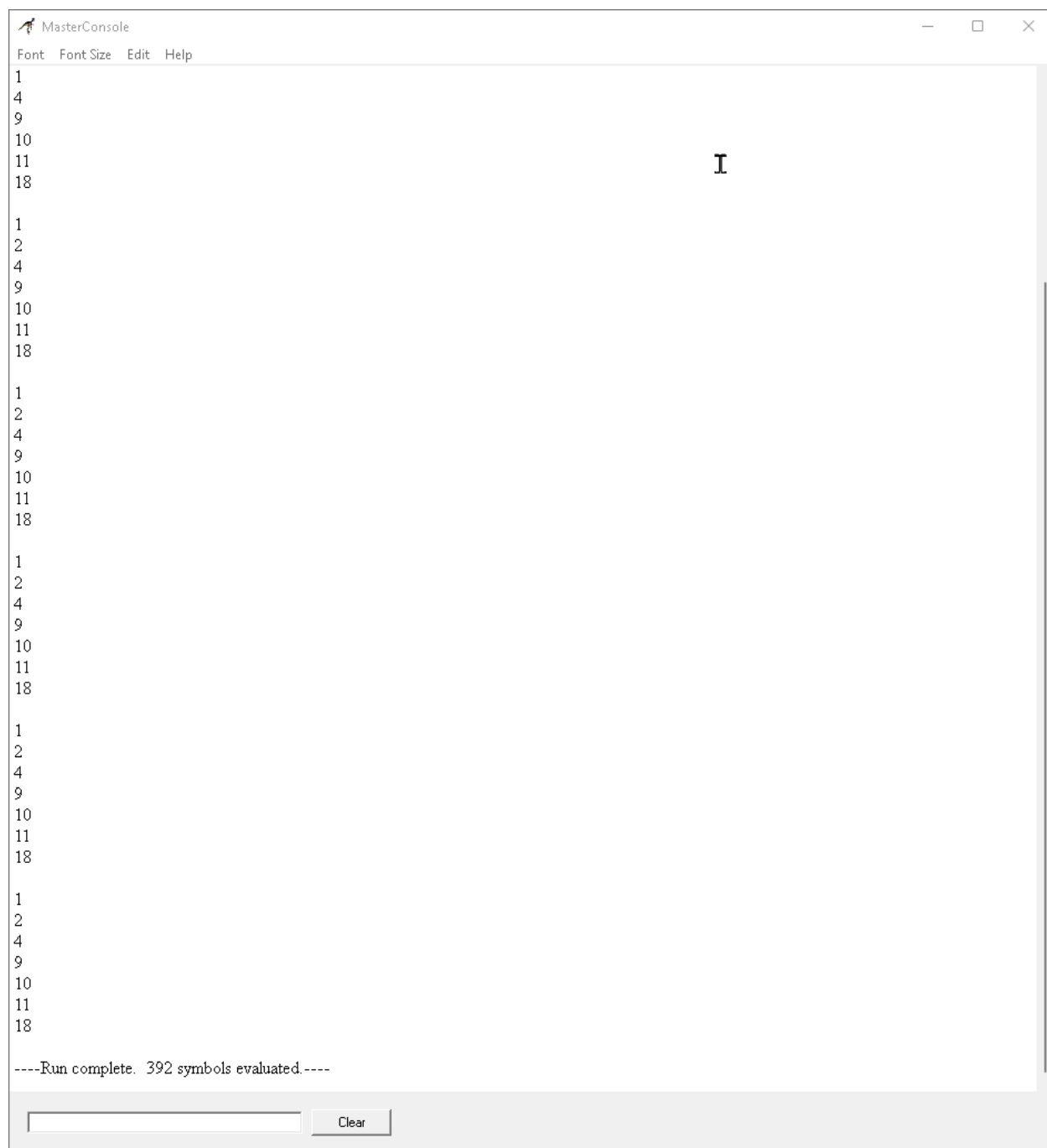
2
1
4
9
10
11
18

1
2
4
9
10
11
18

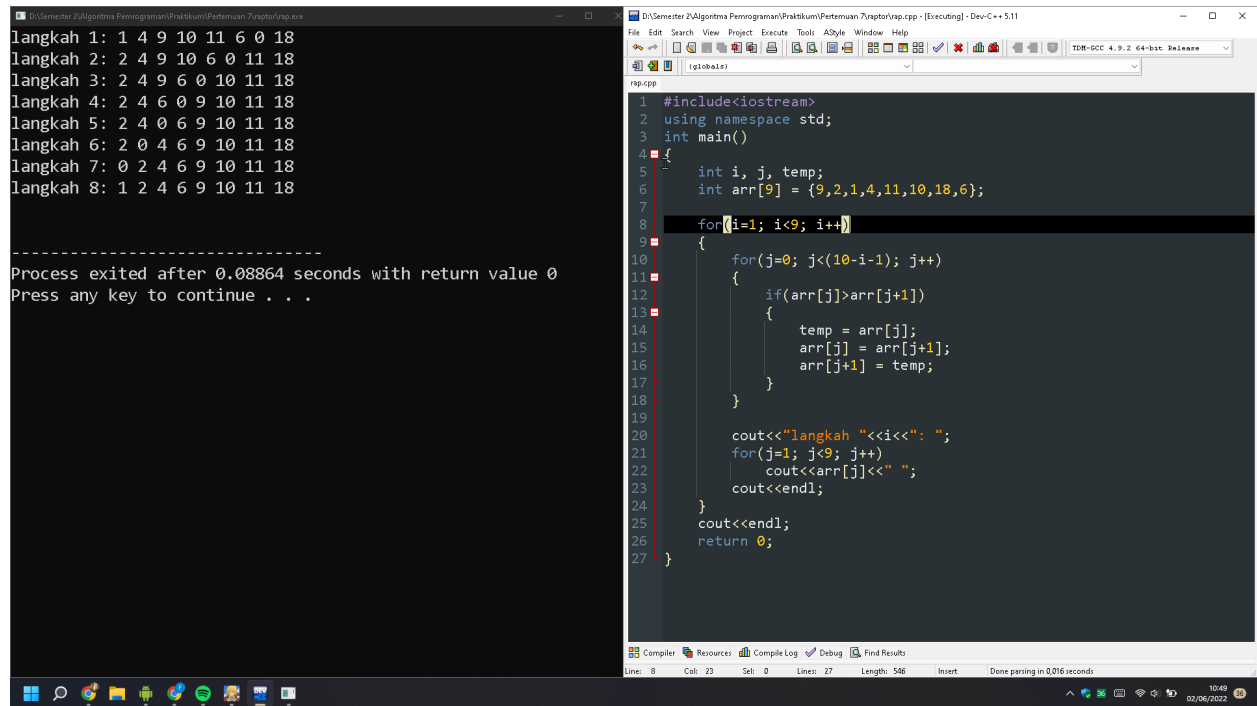
1
2
4
9
10
11
18

1
2
4
9
10
11
18

1
2
4
9
10
```



## Konversi ke dalam program c++



The image shows a screenshot of a C++ program being executed in Dev-C++. The left window displays the program's output, showing eight steps of an array transformation. The right window shows the source code of the program, which implements a selection sort algorithm on an array of 10 numbers: {9, 2, 1, 4, 11, 10, 18, 6}.

**Program Output:**

```
langkah 1: 1 4 9 10 11 6 0 18
langkah 2: 2 4 9 10 6 0 11 18
langkah 3: 2 4 9 6 0 10 11 18
langkah 4: 2 4 6 0 9 10 11 18
langkah 5: 2 4 0 6 9 10 11 18
langkah 6: 2 0 4 6 9 10 11 18
langkah 7: 0 2 4 6 9 10 11 18
langkah 8: 1 2 4 6 9 10 11 18

-----
Process exited after 0.08864 seconds with return value 0
Press any key to continue . . .
```

**Source Code (rp.cpp):**

```
1 #include<iostream>
2 using namespace std;
3 int main()
4 {
5     int i, j, temp;
6     int arr[9] = {9,2,1,4,11,10,18,6};
7
8     for(i=1; i<9; i++)
9     {
10         for(j=0; j<(10-i-1); j++)
11         {
12             if(arr[j]>arr[j+1])
13             {
14                 temp = arr[j];
15                 arr[j] = arr[j+1];
16                 arr[j+1] = temp;
17             }
18         }
19         cout<<"langkah "<<i<<": ";
20         for(j=1; j<9; j++)
21             cout<<arr[j]<<" ";
22         cout<<endl;
23     }
24     cout<<endl;
25     return 0;
26 }
27
```

The status bar at the bottom indicates: Line: 0, Col: 23, Sel: 0, Lines: 27, Length: 586, Done parsing in 0.016 seconds. The system clock shows 10:49 on 02/06/2022.