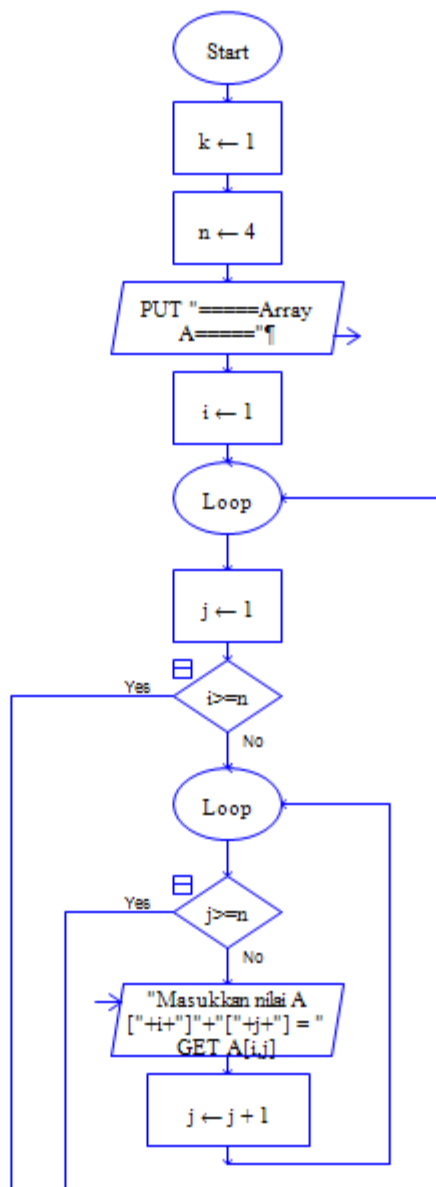


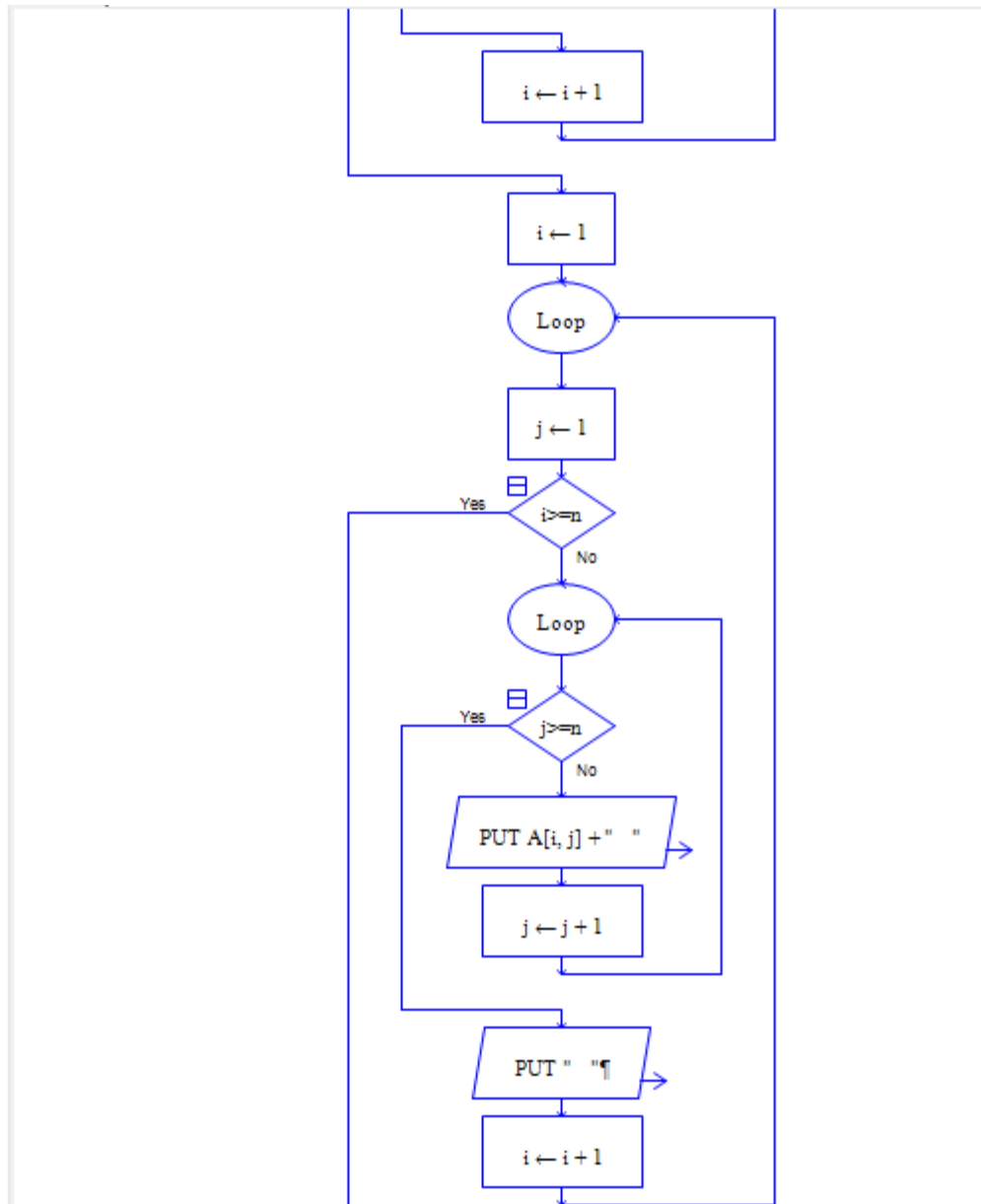
**LAPORAN POSTEST**  
**ALGORITMA PEMROGRAMAN**

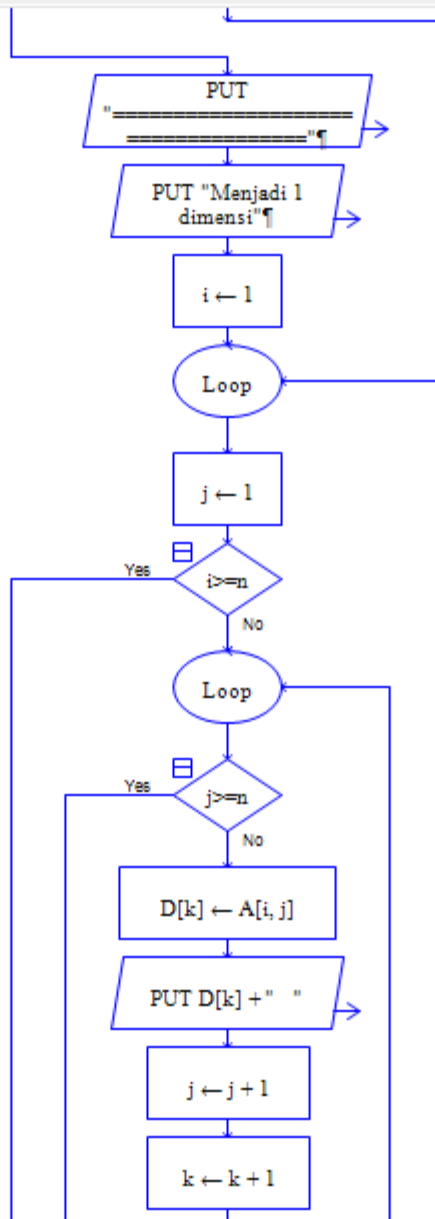


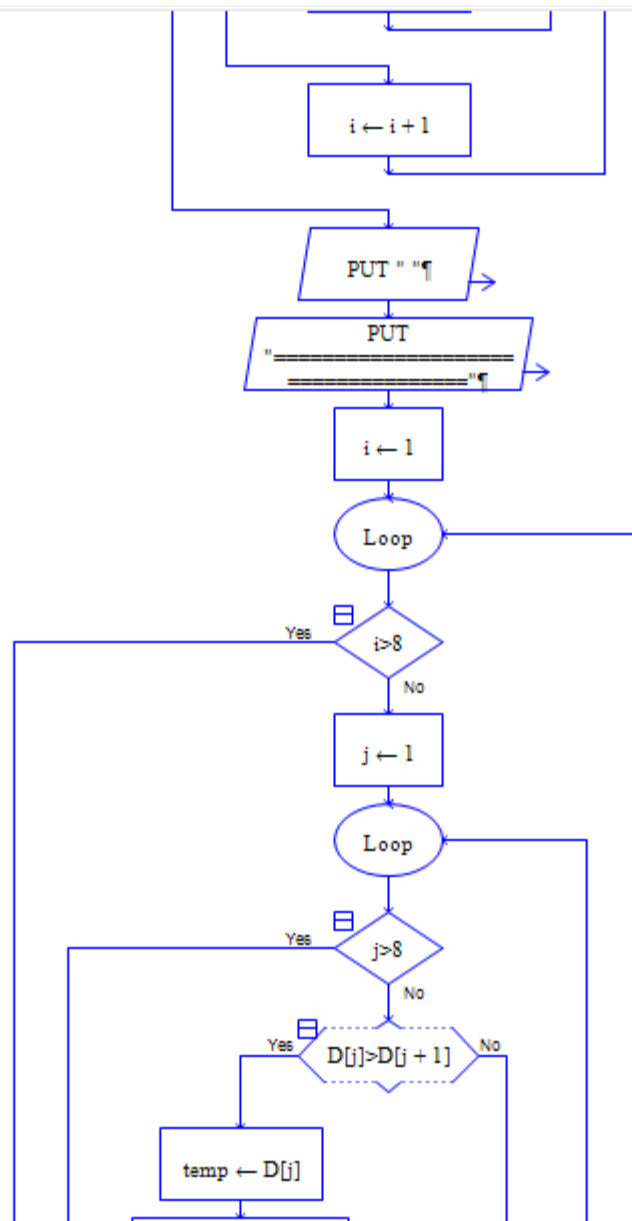
**DISUSUN OLEH:**  
**EKO RACHMAT SATRIYO (2100018142)**  
**KELAS C**

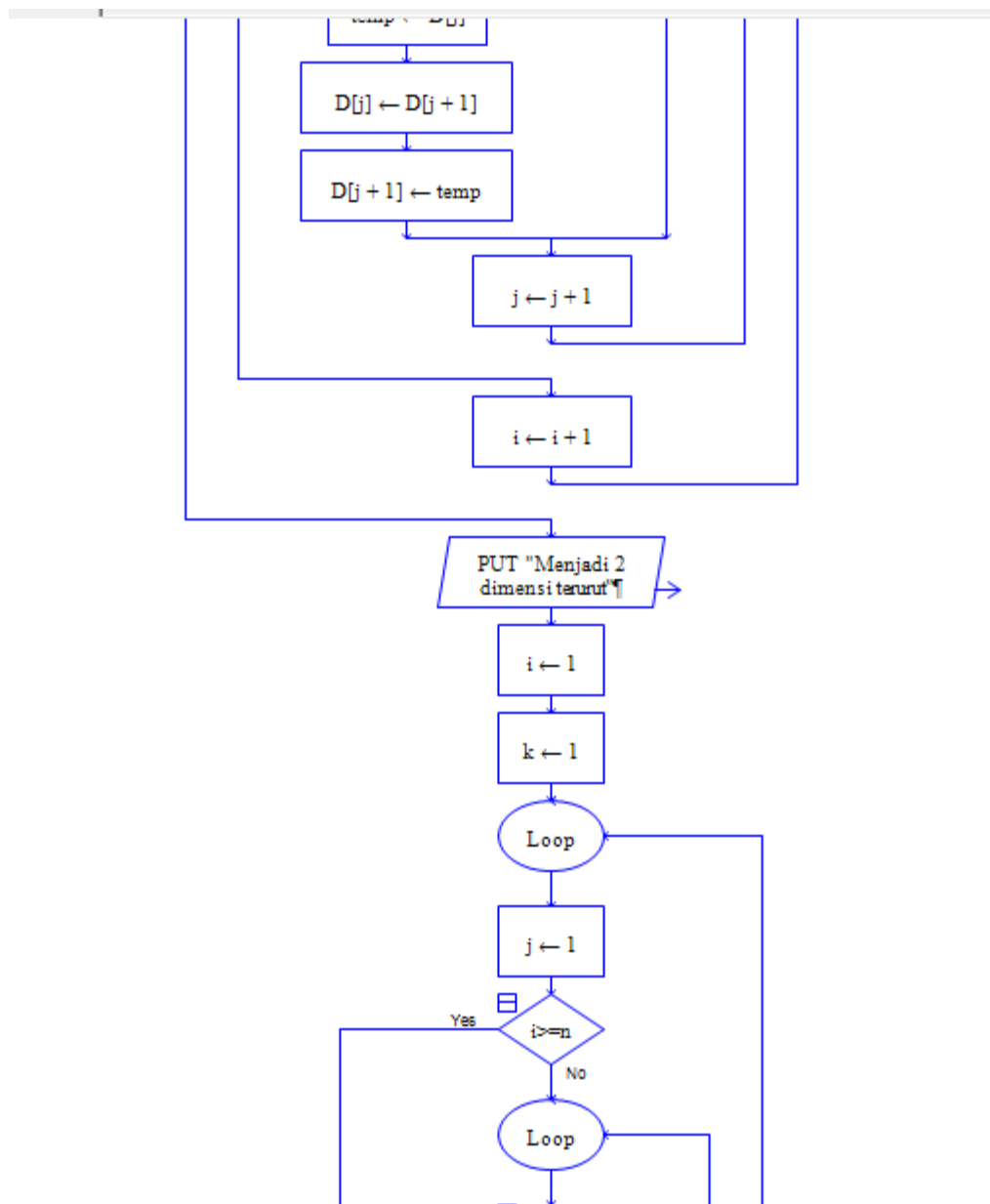
**PROGRAM STUDI TEKNIK INFORMATIKA**  
**FAKULTAS TEKNOLOGI INDUSTRI**  
**UNIVERSITAS AHMAD DAHLAN**  
**2022**

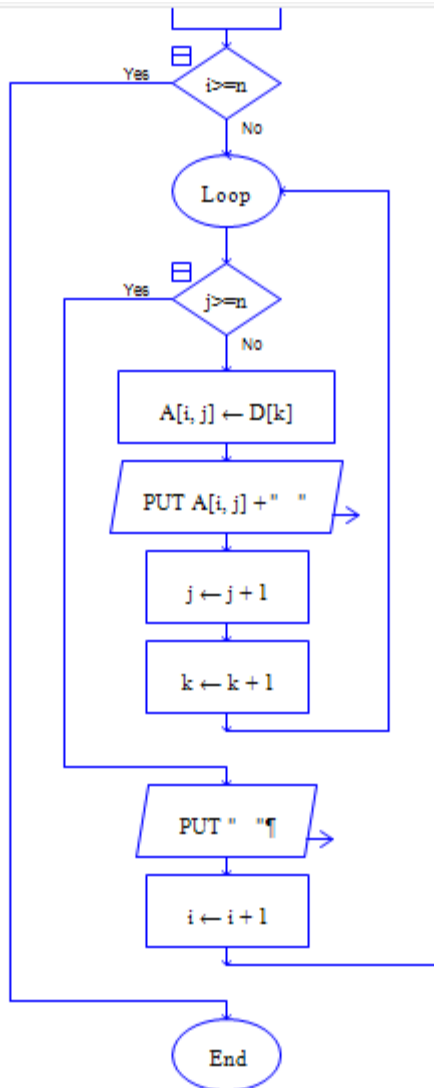












Input

Masukkan nilai A[1][1] =

OK

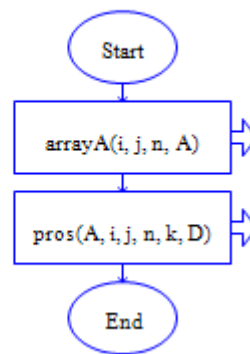
User memasukkan nilai

```
MasterConsole
Font Font Size Edit Help
=====Array A=====
8 9 7
5 6 4
3 2 1
=====
Menjadi 1 dimensi
8 9 7 5 6 4 3 2 1
=====
Menjadi 2 dimensi terurut
1 2 3
4 5 6
7 8 9
----Run complete. 694 symbols evaluated.----
```

Hasil



main	arrayA	pros	
------	--------	------	--

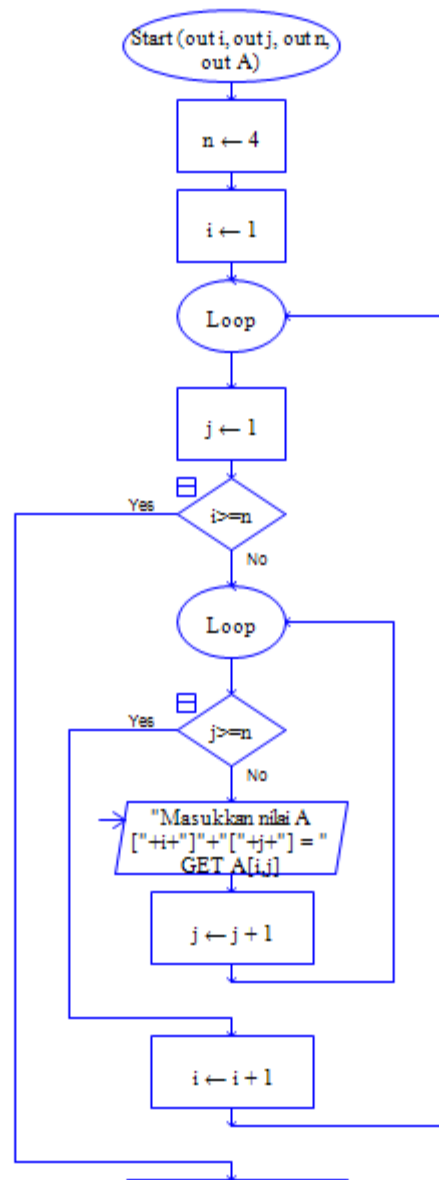


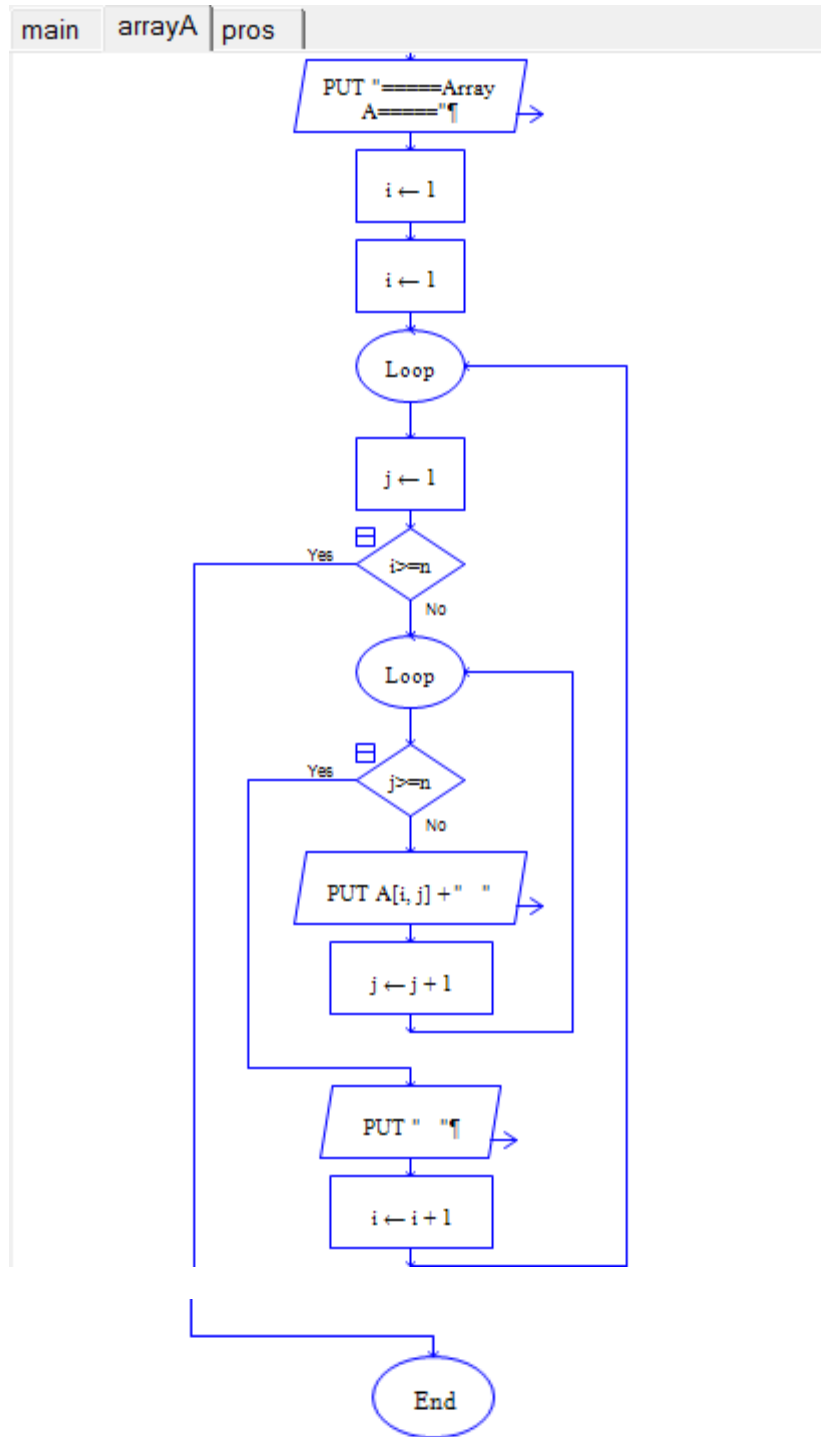
Main

main

arrayA

pros



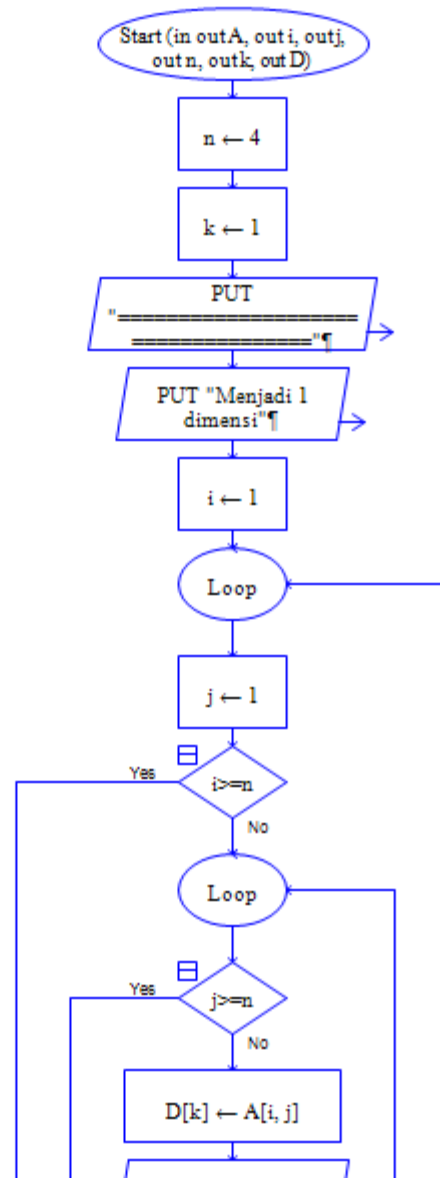


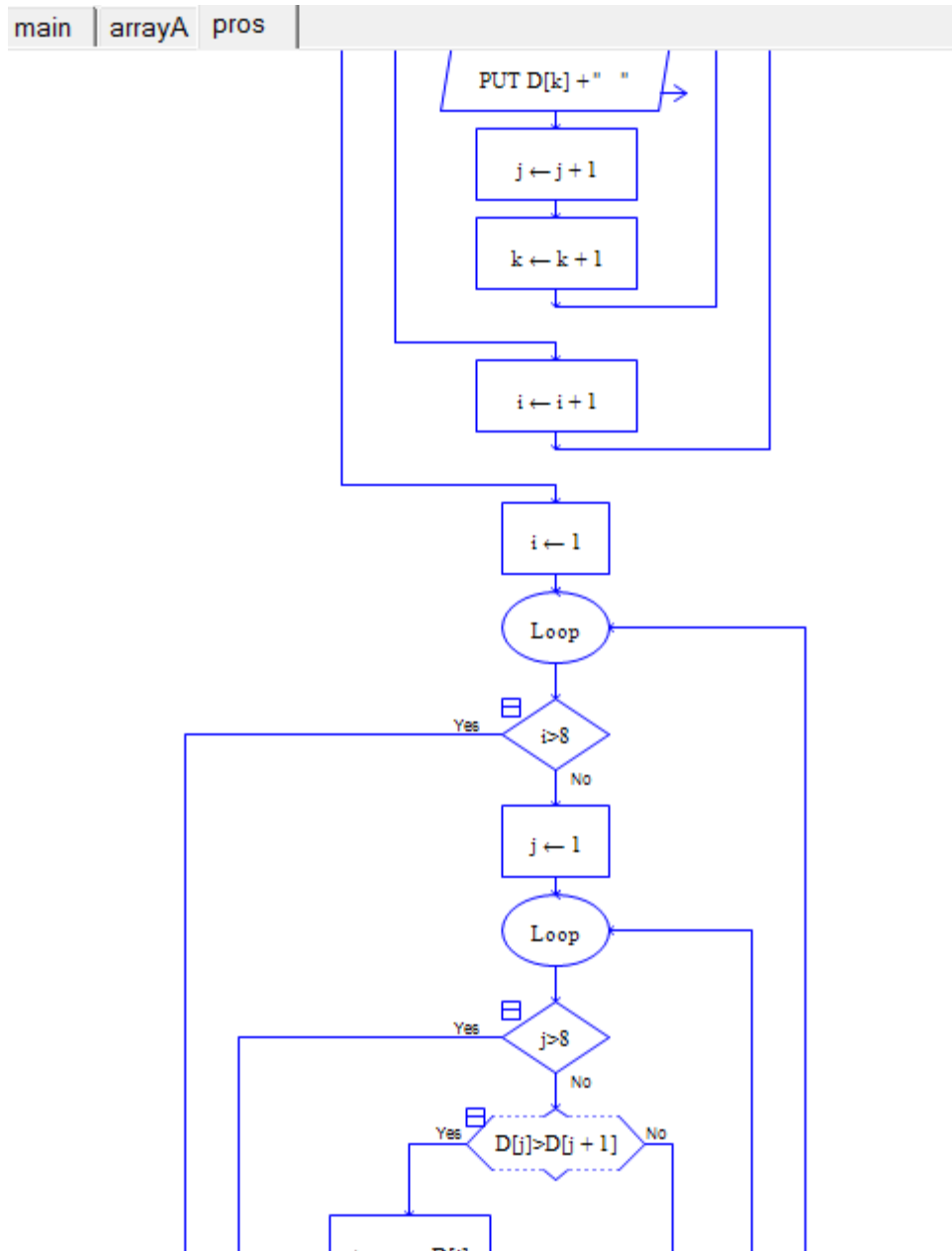
Array A (input dan output)

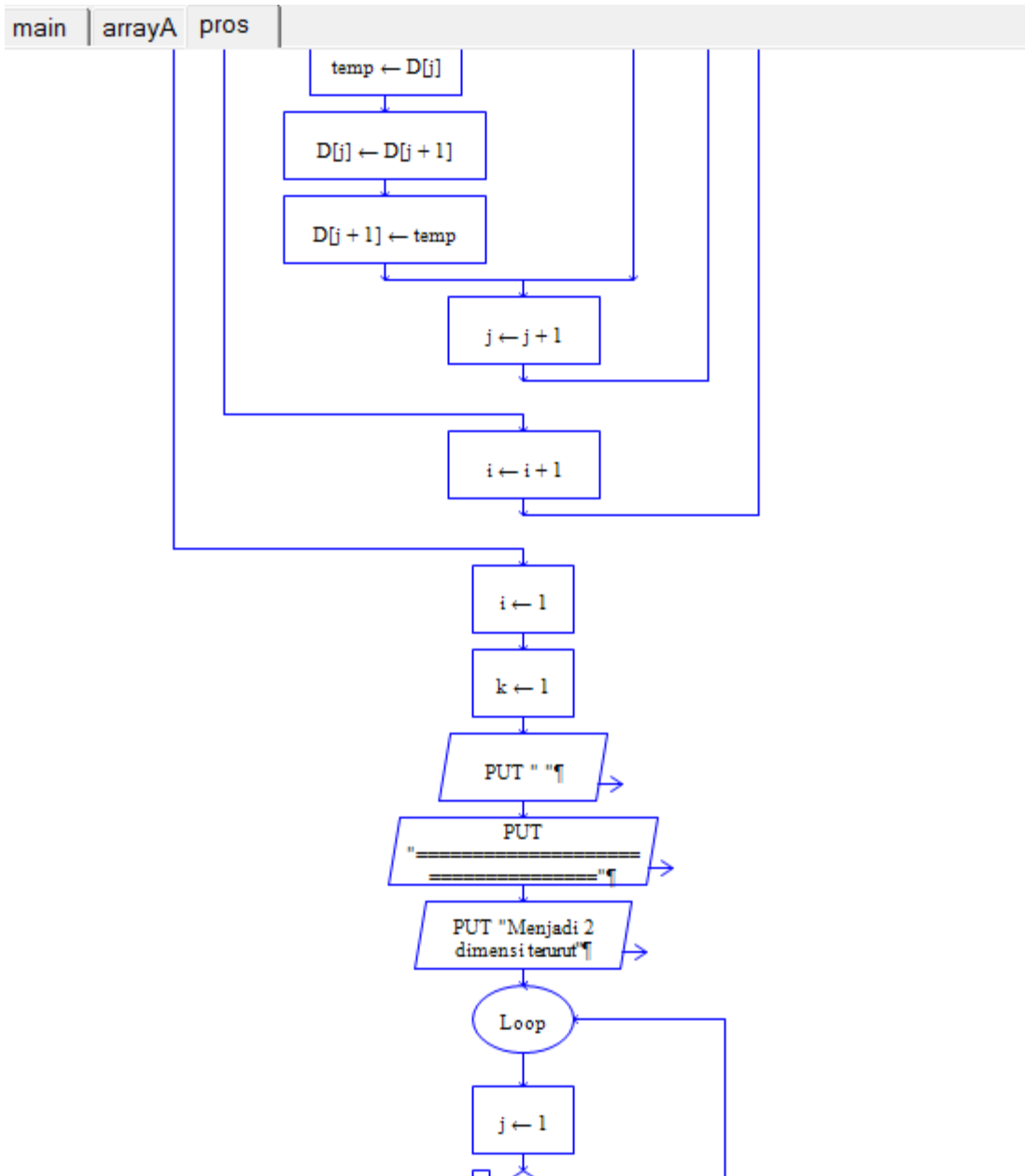
main

arrayA

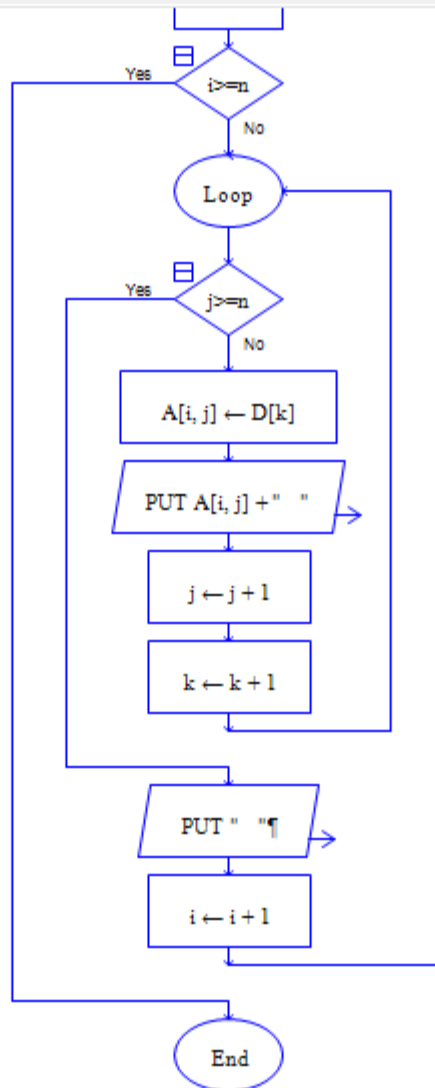
pros







main | arrayA | pros



Pros(menjadikan 1 dimensi,sorting,dan menjadikan 2 dimensi)

Input

Masukkan nilai A[1][1] =

OK

input

```
MasterConsole
Font  Font Size  Edit  Help
=====Array A=====
9 7 8
1 3 2
4 5 6
=====
Menjadi 1 dimensi
9 7 8 1 3 2 4 5 6
=====
Menjadi 2 dimensi terurut
1 2 3
4 5 6
7 8 9
-----Run complete. 663 symbols evaluated.-----
```



```

1  #include <iostream>
2  #include <iomanip>
3  #include <cstdlib>
4  using namespace std;
5  class gbm{
6  private:
7      int n= 3;
8      int A[5][5],D[100];
9      int temp;
10     bool swap;
11     int k = 0;
12 public:
13     int proses(){
14         for(int i = 0; i < n ; i++){
15             for(int j = 0; j<n; j++){
16                 cout<<"Masukkan A ["<<i<<" ["<<j<<" = ";
17                 cin>>A[i][j];
18             }
19             cout<<endl;
20         }
21         cout<<"\n===Array A===\n";
22         for(int i = 0; i < n ; i++){
23             cout<<"|";
24             for(int j = 0; j<n; j++){
25                 cout<<setw(3)<<A[i][j];
26             }
27             cout<<" |"<<endl;
28         }
29         cout<<"\n=====\\n";
30         cout<<"\nMenjadi 1 dimensi\\n";
31         for(int i = 0; i < n ; i++){
32             for(int j = 0; j<n; j++){
33                 D[k]=A[i][j];
34                 cout<<setw(3)<<D[k];
35                 k++;
36             }
37         }
38         for(int i = 0; i < 9; i++){
39             swap=false;
40             for(int j = 0; j < 8; j++){
41                 if(D[j]>D[j+1]){
42                     temp=D[j];

```

```

43         D[j]=D[j+1];
44         D[j+1]=temp;
45         swap =true;
46     }
47 }
48 if(swap==false){
49     break;
50 }
51 }
52 k=0;
53 cout<<"\n===== \n";
54 cout<<"\nMenjadi 2 dimensi terurut\n";
55 for(int i = 0; i <n ; i++){
56     cout<<"|";
57     for(int j = 0; j<n; j++){
58         A[i][j]=D[k];
59         cout<<setw(3)<<A[i][j];
60         k++;
61     }
62     cout<<" |"<<endl;
63 }
64 cout<<"\n===== \n";
65 }
66 };
67
68 main(){
69     gbm cek;
70     cek.proses();
71     cout<<endl;
72     return 0;
73 }

```

```

E:\KULIAH\SEMUA PRAKTIK II\Alpro\Prak Alpro\9\kode\prak.exe
Masukkan A [0] [0] = 9
Masukkan A [0] [1] = 8
Masukkan A [0] [2] = 7

Masukkan A [1] [0] = 2
Masukkan A [1] [1] = 3
Masukkan A [1] [2] = 1

Masukkan A [2] [0] = 5
Masukkan A [2] [1] = 6
Masukkan A [2] [2] = 4

```

Input

```
E:\KULIAH\SEMUA PRAKTIK II\Alpro\Prak Alpro\9\kode\prak.exe
===Array A===
| 9 8 7 |
| 2 3 1 |
| 5 6 4 |

=====

Menjadi 1 dimensi
 9 8 7 2 3 1 5 6 4
=====

Menjadi 2 dimensi terurut
| 1 2 3 |
| 4 5 6 |
| 7 8 9 |

=====
```

Hasil

post.h	main.cpp
1	#include <iostream>
2	#include <iomanip>
3	#include <cstdlib>
4	using namespace std;
5	class gbm{
6	private:
7	int n= 3;
8	int A[5][5],D[100];
9	int temp;
10	bool swap;
11	int k = 0;
12	public:
13	int proses(){
14	for(int i = 0; i < n ; i++){
15	for(int j = 0; j < n; j++){
16	cout<<"Masukkan A ["<<i<<" ["<<j<<" = ";
17	cin>>A[i][j];
18	}
19	cout<<endl;
20	}
21	cout<<"\n===Array A===\n";
22	for(int i = 0; i < n ; i++){
23	cout<<" ";
24	for(int j = 0; j < n; j++){
25	cout<<setw(3)<<A[i][j];
26	}
27	cout<<"  "<<endl;
28	}
29	cout<<"\n=====\\n";
30	cout<<"\nMenjadi 1 dimensi\\n";
31	for(int i = 0; i < n ; i++){
32	for(int j = 0; j < n; j++){
33	D[k]=A[i][j];
34	cout<<setw(3)<<D[k];
35	k++;
36	}
37	}
38	for(int i = 0; i < 9; i++){
39	swap=false;
40	for(int j = 0;j < 8; j++){
41	if(D[j]>D[j+1]){

Post.h

```
42         temp=D[j];
43         D[j]=D[j+1];
44         D[j+1]=temp;
45         swap =true;
46     }
47 }
48 if(swap==false){
49     break;
50 }
51 }
52 k=0;
53 cout<<"\n=====\\n";
54 cout<<"\\nMenjadi 2 dimensi terurut\\n";
55 for(int i = 0; i <n ; i++){
56     cout<<"|";
57     for(int j = 0; j<n; j++){
58         A[i][j]=D[k];
59         cout<<setw(3)<<A[i][j];
60         k++;
61     }
62     cout<<" |"<<endl;
63 }
64 cout<<"\\n=====\\n";
65 }
66 };
```

post.h main.cpp

```
1 #include "post.h"
2 main(){
3     gbm cek;
4     cek.proses();
5     cout<<endl;
6     return 0;
7 }
```

E:\KULIAH\SEMUA PRAKTIK II\Alpro\Prak Alpro\9\kode\main.exe

```
Masukkan A [0] [0] = 2
Masukkan A [0] [1] = 4
Masukkan A [0] [2] = 1

Masukkan A [1] [0] = 3
Masukkan A [1] [1] = 6
Masukkan A [1] [2] = 5

Masukkan A [2] [0] = 8
Masukkan A [2] [1] = 7
Masukkan A [2] [2] = 9
```

Main dan input

```
E:\KULIAH\SEMUA PRAKTIK II\Alpro\Prak Alpro\9\kode\main.exe
===Array A===
| 2 4 1 |
| 3 6 5 |
| 8 7 9 |

=====

Menjadi 1 dimensi
 2 4 1 3 6 5 8 7 9
=====

Menjadi 2 dimensi terurut
| 1 2 3 |
| 4 5 6 |
| 7 8 9 |

=====
```

Hasil