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Tugas 2 Algoritma Dan Struktur data

Apa Outputnya?

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| A | B | C | P1 | P2 | P3 |
| 10 | 15 | 27 | 15 | 15 | 15 |
| 27 | 6 |  | 27 | 8 | 15 |
| 6 |  |  | 27 | 8 | 6 |
|  |  |  | 27 | 27 | 27 |
|  |  |  | 27 |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

Source Code Program :

#include<iostream>

using namespace std;

int main(){

int A, B, C;

int \*P1, \*P2, \*P3;

A=10;

cout<<"Nilai A :"<<A<<endl;

cout<<"Alamat A :"<<&A<<endl<<endl;

B=15;

cout<<"Nilai B :"<<B<<endl;

cout<<"Alamat B :"<<&B<<endl<<endl;

P1=&B;

cout<<"Nilai P1 :"<<\*P1<<endl;

cout<<"Alamat P1 :"<<P1<<endl<<endl;

P2=P1;

cout<<"Nilai P2 :"<<\*P2<<endl;

cout<<"Alamat P2 :"<<P2<<endl<<endl;

C=27;

cout<<"Nilai C :"<<C<<endl;

cout<<"Alamat C :"<<&C<<endl<<endl;

P1=&C;

cout<<"Nilai P1 :"<<\*P1<<endl;

cout<<"Alamat P1 :"<<P1<<endl<<endl;

A=\*P1;

cout<<"Nilai A :"<<A<<endl;

cout<<"Alamat A :"<<&A<<endl<<endl;

P3=&B;

cout<<"Nilai P3 :"<<\*P3<<endl;

cout<<"Alamat P3 :"<<P3<<endl<<endl;

\*P2=8;

cout<<"Nilai P2 :"<<\*P2<<endl;

cout<<"Alamat P2 :"<<P2<<endl<<endl;

P1=&A;

cout<<"Nilai P1 :"<<\*P1<<endl;

cout<<"Alamat P1 :"<<P1<<endl<<endl;

P2=&B;

cout<<"Nilai P2 :"<<\*P2<<endl;

cout<<"Alamat P2 :"<<P2<<endl<<endl;

\*P1=C;

cout<<"Nilai P1 :"<<\*P1<<endl;

cout<<"Alamat P1 :"<<P1<<endl<<endl;

A=\*P2;

cout<<"Nilai A :"<<A<<endl;

cout<<"Alamat A :"<<&A<<endl<<endl;

B=6;

cout<<"Nilai B :"<<B<<endl;

cout<<"Alamat B :"<<&B<<endl<<endl;

P3=&B;

cout<<"Nilai P3 :"<<\*P3<<endl;

cout<<"Alamat P3 :"<<P3<<endl<<endl;

P3=&C;

cout<<"Nilai P3 :"<<\*P3<<endl;

cout<<"Alamat P3 :"<<P3<<endl<<endl;

\*P1=\*P3;

cout<<"Nilai P1 :"<<\*P1<<endl;

cout<<"Alamat P1 :"<<P1<<endl<<endl;

A=B;

cout<<"Nilai A :"<<A<<endl;

cout<<"Alamat A :"<<&A<<endl<<endl;

\*P2=\*P3;

cout<<"Nilai P2 :"<<\*P2<<endl;

cout<<"Alamat P2 :"<<P2<<endl<<endl;

return 0;

}

Output Program:

Nilai A :10

Alamat A :0x6ffdf4

Nilai B :15

Alamat B :0x6ffdf0

Nilai P1 :15

Alamat P1 :0x6ffdf0

Nilai P2 :15

Alamat P2 :0x6ffdf0

Nilai C :27

Alamat C :0x6ffdec

Nilai P1 :27

Alamat P1 :0x6ffdec

Nilai A :27

Alamat A :0x6ffdf4

Nilai P3 :15

Alamat P3 :0x6ffdf0

Nilai P2 :8

Alamat P2 :0x6ffdf0

Nilai P1 :27

Alamat P1 :0x6ffdf4

Nilai P2 :8

Alamat P2 :0x6ffdf0

Nilai P1 :27

Alamat P1 :0x6ffdf4

Nilai A :8

Alamat A :0x6ffdf4

Nilai B :6

Alamat B :0x6ffdf0

Nilai P3 :6

Alamat P3 :0x6ffdf0

Nilai P3 :27

Alamat P3 :0x6ffdec

Nilai P1 :27

Alamat P1 :0x6ffdf4

Nilai A :6

Alamat A :0x6ffdf4

Nilai P2 :27

Alamat P2 :0x6ffdf0