Latihan Modul Array

1. Latihan 1

```cpp
#include <iostream>

using namespace std;

int main()
{
    int nilai[5];

    nilai[0] = 23;
    nilai[1] = 50;
    nilai[2] = 34;
    nilai[3] = 78;
    nilai[4] = 90;

    cout << "Isi array pertama :" << nilai[0] <<endl;
    cout << "Isi array kedua   :" << nilai[1] <<endl;
    cout << "Isi array ketiga  :" << nilai[2] <<endl;
    cout << "Isi array keempat :" << nilai[3] <<endl;
    cout << "Isi array kelima  :" << nilai[4] <<endl;

    return 0;
}
```

2. Latihan 2

```cpp
#include <iostream>

using namespace std;

int main()
{
    char karakter[5] = {'D', '$', 'o', 'Z', '8'};

    cout << "Isi array pertama :" << karakter[0] <<endl;
    cout << "Isi array kedua   :" << karakter[1] <<endl;
    cout << "Isi array ketiga  :" << karakter[2] <<endl;
    cout << "Isi array keempat :" << karakter[3] <<endl;
    cout << "Isi array kelima  :" << karakter[4] <<endl;

    return 0;
}
```

3. Latihan 3

```cpp
#include <iostream>
using namespace std;

int main ()
{
    const int MAX_ARRAY = 5;
    string nama[MAX_ARRAY]={};

    for(int i=0;i<MAX_ARRAY;++i){
        cout<<"Masukan Nama : ";cin>>nama[i];
    }

    cout<<endl<<"=== Daftar Nama ==="<<endl;
    for(int i=0;i<MAX_ARRAY;++i){
        cout<<(i+1)<<". "<<nama[i]<<endl;
    }

    return 0;
}
```

4. Latihan 4

```cpp
#include <iostream>

using namespace std;

int main()
{
   float pecahan[] = {3.14,-99.01,0.002};

   cout << "Isi array pertama : " << pecahan[0] << endl;
   cout << "Isi array kedua   : " << pecahan[1] << endl;
   cout << "Isi array ketiga  : " << pecahan[2] << endl;
   cout << endl;

   pecahan[1] = 9.123;
   pecahan[2] = 12.9925;

   cout << "Isi array pertama : " << pecahan[0] << endl;
   cout << "Isi array kedua   : " << pecahan[1] << endl;
   cout << "Isi array ketiga  : " << pecahan[2] << endl;

   return 0;
}
```

5. Latihan 5

```cpp
#include <iostream>

using namespace std;

int main()
{
    char nama[100][100];
    int nilai[100];
    int no;

    cout<<"masukkan jumlah mahasiswa: ";
    cin>>no;

    //input data
    for (int i=1;i<=no;i++){
    cout<<"masukkan nama mahasiswa: ";
        cin>>nama[i];
        cout<<"masukkan nilai mahasiswa: ";
        cin>>nilai[i];
        }

    //menampilkan data
    cout<<"tampilkan data"<<endl;
    for (int a=1;a<=no;a++){
        cout<<"nama: "<<nama[a]<<" dengan nilai: "<<nilai[a]<<endl;
        }

    return 0;
}
```