

KLAS DAN OBJEK

PURWO AGUS SUCIPTO

Program 1

```
#include <iostream>
```

```
#include <string>
```

```
class Mobil {
```

```
public:
```

```
    std::string warna;
```

```
    std::string merek;
```

```
    void maju() {
```

```
        std::cout << "Mobil maju!" << std::endl;
```

```
    }
```

```
    void mundur() {
```

```
        std::cout << "Mobil mundur!" << std::endl;
```

```
    }
```

```
};
```

```
int main() {
```

```
    Mobil mobilSaya;
```

```
    Mobil mobilTetangga;
```

```
    mobilSaya.warna = "merah";
```

```
    mobilSaya.merek = "Toyota";
```

```
    mobilTetangga.warna = "biru";
```

```
    mobilTetangga.merek = "Honda";
```

```
    mobilSaya.maju();
```

```
    mobilTetangga.mundur();
```

```
    std::cout << "Mobil saya berwarna " << mobilSaya.warna << " dengan merek " << mobilSaya.merek << "." << std::endl;
```

```
    std::cout << "Mobil tetangga berwarna " << mobilTetangga.warna << " dengan merek " << mobilTetangga.merek << "." << std::endl;
```

```
    return 0;
```

```
}
```

Program 2

```
#include <iostream>
```

```
using namespace std;
```

```
class mahasiswa{
```

```
public:
```

```
    int nim;
```

```
    string nama;
```

```
    float nilai;
```

```
    void printData(){
```

```
        cout<<"NIM \t= "<<nim<<endl;
```

```
        cout<<"Nama \t= "<<nama<<endl;
```

```
        cout<<"Nilai \t= "<<nilai<<endl;
```

```
    }
```

```
};
```

```
int main() {
```

```
    mahasiswa anton = {123,"Antonia uvava osas",98.5};
```

```
    mahasiswa albert {234,"Albert Insting", 101.5};
```

```
    anton.printData();
```

```
    albert.printData();
```

```
    return 0;
```

```
}
```

Program 3

```
#include <iostream>
using namespace std;
class Phone {
public:
    double cost;
    int slots;
};

int main() {
    Phone Y6;
    Phone Y7;
    Y6.cost = 100.0;
    Y6.slots = 2;
    Y7.cost = 200.0;
    Y7.slots = 2;
    cout << "Cost of Huawei Y6 : " << Y6.cost << endl;
    cout << "Cost of Huawei Y7 : " << Y7.cost << endl;
    cout << "Number of card slots for Huawei Y6 : " << Y6.slots << endl;
    cout << "Number of card slots for Huawei Y7 : " << Y7.slots << endl;
    return 0;
}
```

Program 4

```
#include <iostream>
```

```
#include <string>
```

```
using namespace std;
```

```
class motor{
```

```
public:
```

```
    string merk;
```

```
    string model;
```

```
    int tahun;
```

```
};
```

```
int main(){
```

```
    motor motorObj1;
```

```
    motorObj1.merk = "Honda";
```

```
    motorObj1.model = "Beat";
```

```
    motorObj1.tahun = 2023;
```

```
    motor motorObj2;
```

```
    motorObj2.merk = "Yamaha";
```

```
    motorObj2.model = "Mio";
```

```
    motorObj2.tahun = 2021;
```

```
    cout << motorObj1.merk << " " << motorObj1.model << " " << motorObj1.tahun << "\n";
```

```
    cout << motorObj2.merk << " " << motorObj2.model << " " << motorObj2.tahun << "\n";
```

```
    return 0;
```

```
}
```

Program 5

```
#include <iostream>
#include <string>
using namespace std;
class Guru99
{
public:
    string tutorial_name;
    int id;
    void printname();
    void printid()
    {
        cout << "Tutorial id is: "<< id;
    }
};
```

```
void Guru99::printname()
{
    cout << "Tutorial name is: " <<
tutorial_name;
}
int main() {
    Guru99 guru99;
    guru99.tutorial_name = "C++";
    guru99.id = 1001;
    guru99.printname();
    cout << endl;
    guru99.printid();
    return 0;
}
```