

example - write A C++ Program ~~to~~ to demonstrate single 5

Inheritance.

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

```
class Parent
{
public:
int id_P;
};
```

```
class Child : public Parent
{
public:
int id_C;
};
```

```
int main()
{
Child obj1;
obj1 obj1.id_C = 7;
obj1.id_P = 97;
cout << "child id is << obj1.id_C << endl;
cout << "parent id is << obj1.id_P << endl;
return 0;
};
```

o/p is =

child id is 7
parent id is 97

Ex WAP in C++ to demonstrate ~~Multi level~~ Inheritance

```

#include <iostream>
using namespace std;
class Vehicle
{
public:
    Vehicle()
    {
        cout << "This is a vehicle" << endl;
    }
};

class fourwheeler : public Vehicle
{
public:
    fourwheeler()
    {
        cout << "4 wheels are vehicles" << endl;
    }
};

class Car : public fourwheeler, public Vehicle
{
public:
    Car()
    {
        cout << "Car has 4 wheels" << endl;
    }
};

int main() {
    Car obj;
    return 0;
}

```

O/P

This is a vehicle
 4 wheels are vehicles
 Car has 4 wheels

Program - WAP in C++ to demonstrate Multiple Inheritance. 7

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

```
class Vehicle {
public:
    Vehicle ()
    {
        cout << "This is a vehicle" << endl;
    }
};
```

```
class Fourwheeler {
public:
    Fourwheeler ()
    {
        cout << "This is a 4 wheeler vehicle" << endl;
    }
};
```

```
class Car: public Vehicle, public Fourwheeler {
};
```

```
int main ()
{
    Car obj;
    return 0;
}
```

O/P

This is a vehicle
This is a 4 wheeler vehicle.