Shallow

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

class box {
private:
	int length;
	int breadth;
	int height;

public:

	void set_dimensions(int length1, int breadth1,
	                    int height1)
	{
		length = length1;
		breadth = breadth1;
		height = height1;
	}
	void show_data()
	{
		cout << " Length = " << length
			<< "\n Breadth = " << breadth
			<< "\n Height = " << height
			<< endl;
	}
};
int main()
{
	box B1, B3;

	B1.set_dimensions(14, 12, 16);
	B1.show_data();


	box B2 = B1;
	B2.show_data();

	B3 = B1;
	B3.show_data();
```

```
    return 0;
}
```

Deep copies

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

class box {
private:
    int length;
    int* breadth;
    int height;

public:
    box()
    {
        breadth = new int;
    }
    void set_dimension(int len, int brea,
                       int heig)
    {
        length = len;
        *breadth = brea;
        height = heig;
    }
    void show_data()
    {
        cout << " Length = " << length
             << "\n Breadth = " << *breadth
             << "\n Height = " << height
             << endl;
    }
    box(box& sample)
    {
        length = sample.length;
        breadth = new int;
        *breadth = *(sample.breadth);
        height = sample.height;
    }
```

```
        ~box()
        {
                delete breadth;
        }
};


int main()
{

        box first;
        first.set_dimension(12, 14, 16);
        first.show_data();
        box second = first;
        second.show_data();
        return 0;
}
```