1. Imagine, Shopno and Meenabazar class inherits traits of Chainshop. Then again Grocery shop has characteristics of both Shopno and Meenabazar. Write a program for the scenario.

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

class Chainshop
{
public:
    int ID;
    Chainshop()
    {
        cout<<"Chainshop"<<endl;
    }
};

class Shopno:public virtual Chainshop
{
public:
    Shopno()
    {
        cout<<"Shopno"<<endl;
    }

};
class Meenabazar:public virtual Chainshop
{
public:
    Meenabazar()
    {
        cout<<"Meenabazar"<<endl;
    }
};
class Groccery:public Shopno,public Meenabazar
{
public:
    Groccery()
    {
        cout<<"Grocecery"<<endl;
```

```
    }
};

int main()
{
    Groccery object;
    return 0;
}
```


2. Now, a method like updatelocation is defined in Chainshop and redefined in Meenabazar. Write a program to use both methods in the main function.
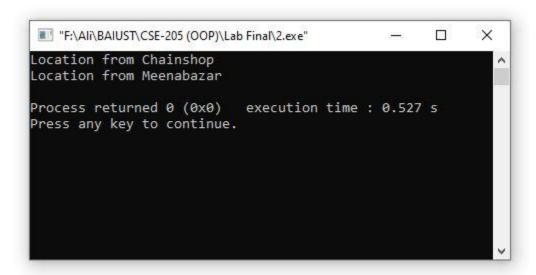
Code:
```cpp
#include<iostream>
using namespace std;

class Chainshop
{
public:
    virtual void updatelocation()
    {
        cout<<"Location from Chainshop"<<endl;
    }
};
class Meenabazar:public Chainshop
{
public:
```

```cpp
    void updatelocation()
    {
        cout<<"Location from Meenabazar"<<endl;
    }
};
int main()
{
    Chainshop *c,obj1;
    obj1.updatelocation();

    Meenabazar M;
    c=&M;
    c->updatelocation();
    return 0;
}
```

```
 "F:\Ali\BAIUST\CSE-205 (OOP)\Lab Final\2.exe"          —    □    ×

Location from Chainshop
Location from Meenabazar

Process returned 0 (0x0)    execution time : 0.527 s
Press any key to continue.
```

3. We want to update tea and coffee stock of Shopno. Remember that, stock of tea and coffee can be measured in any datatype. And if we don't provide any info, default value will be zero.

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

class Shopno
{
public:
```

```cpp
    int tea,coffee;
    Shopno()
    {
        tea=0;
        coffee=0;
    }
    Shopno(int a,int b)
    {
        tea=a;
        coffee=b;
    }
    void show()
    {
        cout<<tea<<"\t"<<coffee<<endl;
    }
};

int main()
{
    Shopno obj1,obj2(7,28);
    obj1.show();
    obj2.show();
    return 0;
}
```



```
"F:\Ali\BAIUST\CSE-205 (OOP)\Lab Final\3.exe"              —    □    ×
0        0
7        28

Process returned 0 (0x0)    execution time : 0.078 s
Press any key to continue.
```