```cpp
#include<iostream>
using namespace std;
class engineering_stuff
{
public:
    char name[10];
    int price;
    void admin_input()
    {

        cout<<"ENTER THE NAME OF STUFF : ";
        cin>>name;
        cout<<"ENTER THE PRICE OF STUFF : ";
        cin>>price;
    }
};
class admin: public engineering_stuff
{
public:
    void display()
    {
        cout<<"\t\t"<<name<<"\t\t"<<price<<"\t\t"<<endl;

    }

};
class user:public admin
{
public:
    int quantity,total_price;
     string userName,address,mob;
    void fdisplay()
    {
        cout<<"ENTER THE QUANTITY OF STUFF:  :";
        cin>>quantity;
        total_price=admin::price*quantity;

cout<<"\t\t\t\t\t\t"<<admin::name<<"\t\t"<<quantity<<"\t\t"<<admin::price<<"\t\t"<<total_pric
e<<endl;

    }
    void user_basic()
    {
        cout<<"\t\t ENTER NAME : ";
        cin>>userName;
        cout<<"\t\t MOBILE NUMBER : ";
        cin>>mob;

    }
};

int main()
{
        int n,ch;
        int Gtotal=0,c,select;
        char address[100];
        user s[10];
 while(1)
{
        cout<<"\n\n\t1.ADMIN"<<endl;
        cout<<"\t2.USER"<<endl;
        cout<<"\t3.EXIT"<<endl;
        cout<<"\nENTER YOUR CHOICE:- ";
        cin>>ch;

   switch(ch)
   {

      case 1:
      {

        cout<<"ENTER THE NUMBER OF STUFF: \n";
        cin>>n;
            for(int i=0;i<n;i++)
            {
              s[i].admin_input();
             }
                cout<<"\t--------------------DATA-----------------------"<<endl;
                cout<<"\t\tNAME\t"<<"\tPRICE\t\t"<<endl;
                cout<<"\t***********************************************"<<endl;
            for(int i=0;i<n;i++)
            {
                s[i].display();
```

```cpp
83                            cout<<"\t*****************************************************"<<endl;
84                    }
85                    break;
86          }
87      case 2:
88          {

90                s[0].user_basic();
91                cout<<"\t----------------------DATA-------------------------"<<endl;
92                cout<<"\t\tSr. No.\t\tNAME\t"<<"\tPRICE\t\t"<<endl;
93                cout<<"\t*****************************************************"<<endl;

95                for(int i=0;i<n;i++)
96                {

98                    cout<<"\t\t"<<(i+1);
99                    s[i].display();
100                   cout<<"\t*****************************************************"<<endl;
101                    if(i==(n-1))
102                    {
103                         cout<<"ENTER THE NO OF SELECTION : ";
104                         cin>>select;

105    cout<<"\t\t\t\t\t\t----------------------DATA-------------------------"<<endl;
106                         cout<<"\t\t\t\t\t\t NAME \t\t QUANTITY \t PRICE \t\t TOTAL\t\t"<<endl;

107    cout<<"\t\t\t\t\t\t*****************************************************"<<endl;
108                         for(int j=0;j<select;j++)
109                         {
110                              cout<<"enter the serial number to select :";
111                              cin>>c;
112                              c=c-1;
113                              s[c].fdisplay();
114                              Gtotal=Gtotal+s[c].total_price;
115                              if(j==(select-1))
116                              {

117    cout<<"\t\t\t\t\t\t*****************************************************"<<endl;
118                                   cout<<"\t\t\t\t\t\t\t\t\tGRAND TOTAL = "<<Gtotal<<endl;

119    cout<<"\t\t\t\t\t\t*****************************************************"<<endl;
120                                   cout<<"\n\n\t\t ENTER ADDRESS : ";
121                                   cin>>address;
122                                   cout<<"\n \t\t\t\t\tWE WILL SEND THE SHIPMENT SOON ON THE
       ADDRESS "<<address;
123                                   cout<<"\n \t\t\t\t\tTHANK YOU FOR SHOPPING WITH US";
124                              }

127                         }
128                    }
129                }
130                break;
131          }
132      case 3:
133          cout<<"\t\t\t\t\tTHANK YOU";
134          return 0;
135          break;
136      }
137  }
138  }
139  /*
140  OUTPUT:


143          1.ADMIN
144          2.USER
145          3.EXIT

147  ENTER YOUR CHOICE:- 1
148  ENTER THE NUMBER OF STUFF:
149  2
150  ENTER THE NAME OF STUFF : KEYBOARD
151  ENTER THE PRICE OF STUFF : 450
152  ENTER THE NAME OF STUFF : MOTHERBOARD
153  ENTER THE PRICE OF STUFF : 3500
154          ----------------------DATA-----------------------
155                NAME              PRICE
156          *************************************************
157                KEYBOARD                 450
158          *************************************************
159                MOTHERBOARD              3500
160          *************************************************
161
```

```
          1.ADMIN
          2.USER
          3.EXIT

ENTER YOUR CHOICE:- 2
                   ENTER NAME : SUMIT
                   MOBILE NUMBER : 7875656769
          ------------------------DATA--------------------------
                   Sr. No.        NAME            PRICE
          *********************************************************
                   1             KEYBOARD            450
          *********************************************************
                   2             MOTHERBOARD         3500
          *********************************************************
ENTER THE NO OF SELECTION : 2

------------------------DATA--------------------------
                                              NAME           QUANTITY
     PRICE        TOTAL

     *********************************************************
enter the serial number to select :1
ENTER THE QUANTITY OF STUFF:  :20
                                              KEYBOARD            20
     450          9000
enter the serial number to select :2
ENTER THE QUANTITY OF STUFF:  :2
                                              MOTHERBOARD         2
     3500         7000

     *********************************************************
                                                              GRAND
     TOTAL = 16000

     *********************************************************


                   ENTER ADDRESS : PUNE

                                              WE WILL SEND THE SHIPMENT SOON ON THE
     ADDRESS PUNE
                                              THANK YOU FOR SHOPPING WITH US
                                              */
```