```cpp
#include<iostream>
using namespace std;
class engineering_stuff
{
public:
    char name[10];
    int price;
    virtual void create()
    {
        cout<<"...........................NOBEL OF NETWORK ENGINEERING
STUFF................................."<<endl;
    }
    void admin_input()
    {

        cout<<"\nENTER 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;

    }
    void create()
     {
         cout<<"...........................WELCOME TO NOBEL OF ENGINEERING
STUFF.........................\n";
     }
};

int main()
{
        int n,ch;
        int Gtotal=0,c,select;
        char address[100];
        user s[10];
        engineering_stuff *p,q[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";
```

```cpp
81              cin>>n;

83                  q[0].create();
84                 for(int i=0;i<n;i++)
85                 {
86                   s[i].admin_input();
87                  }
88                     cout<<"\t---------------------DATA----------------------"<<endl;
89                     cout<<"\t\tNAME\t"<<"\tPRICE\t\t"<<endl;
90                     cout<<"\t*****************************************************"<<endl;
91                 for(int i=0;i<n;i++)
92                 {
93                     s[i].display();
94                     cout<<"\t*****************************************************"<<endl;
95                 }
96                 break;
97          }
98         case 2:
99             {
100                 p=&s[0];
101                 p->create();
102                 s[0].user_basic();
103                 cout<<"\t----------------------DATA------------------------"<<endl;
104                 cout<<"\t\tSr. No.\t\tNAME\t"<<"\tPRICE\t\t"<<endl;
105                 cout<<"\t*****************************************************"<<endl;

107                 for(int i=0;i<n;i++)
108                 {

110                     cout<<"\t\t"<<(i+1);
111                     s[i].display();
112                     cout<<"\t*******************************************************"<<endl;
113                     if(i==(n-1))
114                      {
115                         cout<<"ENTER THE NO OF SELECTION : ";
116                         cin>>select;

117      cout<<"\t\t\t\t\t\t-----------------------DATA------------------------"<<endl;
118                         cout<<"\t\t\t\t\t\t NAME \t\t QUANTITY \t PRICE \t\t TOTAL\t\t"<<endl;

119      cout<<"\t\t\t\t\t\t*****************************************************"<<endl;
120                         for(int j=0;j<select;j++)
121                         {
122                             cout<<"enter the serial number to select :";
123                             cin>>c;
124                             c=c-1;
125                             s[c].fdisplay();
126                             Gtotal=Gtotal+s[c].total_price;
127                             if(j==(select-1))
128                             {

129      cout<<"\t\t\t\t\t\t*********************************************************"<<endl;
130                                 cout<<"\t\t\t\t\t\t\t\t\tGRAND TOTAL = "<<Gtotal<<endl;

131      cout<<"\t\t\t\t\t\t*********************************************************"<<endl;
132                                 cout<<"\n\n\t\t ENTER ADDRESS : ";
133                                 cin>>address;
134                                 cout<<"\n \t\t\t\t\tWE WILL SEND THE SHIPMENT SOON ON THE
     ADDRESS "<<address;
135                                 cout<<"\n \t\t\t\t\tTHANK YOU FOR SHOPPING WITH US";
136                             }

139                         }
140                     }
141                 }
142                 break;
143             }
144         case 3:
145             cout<<"\t\t\t\t\tTHANK YOU";
146             return 0;
147             break;
148         }
149 }
150 }
151 /*
152 output:


155         1.ADMIN
156         2.USER
157         3.EXIT

159     ENTER YOUR CHOICE:- 1
```

```
160   ENTER THE NUMBER OF STUFF:
161   2
162   .........................NOBEL OF NETWORK ENGINEERING
      STUFF...............................
163
164   ENTER THE NAME OF STUFF : KEYBOARD
165   ENTER THE PRICE OF STUFF : 450
166
167   ENTER THE NAME OF STUFF : MOTHERBOARD
168   ENTER THE PRICE OF STUFF : 3500
169          ----------------------DATA------------------------
170                 NAME            PRICE
171          **************************************************
172                 KEYBOARD               450
173          **************************************************
174                 MOTHERBOARD         3500
175          **************************************************
176
177
178          1.ADMIN
179          2.USER
180          3.EXIT
181
182   ENTER YOUR CHOICE:- 2
183   ..........................WELCOME TO NOBEL OF ENGINEERING STUFF.........................
184                 ENTER NAME : SUMIT
185                 MOBILE NUMBER : 7875656769
186          ----------------------DATA------------------------
187                 Sr. No.         NAME            PRICE
188          ****************************************************
189             1               KEYBOARD              450
190          ****************************************************
191             2               MOTHERBOARD          3500
192          ****************************************************
193   ENTER THE NO OF SELECTION : 1
194
      ------------------------DATA--------------------------
195                                                 NAME           QUANTITY
      PRICE          TOTAL
196
      ****************************************************
197   enter the serial number to select :1
198   ENTER THE QUANTITY OF STUFF:  :20
199                                                 KEYBOARD               20
      450            9000
200
      ****************************************************
201                                                                      GRAND
      TOTAL = 9000
202
      ****************************************************
203
204
205                 ENTER ADDRESS : PUNE
206
207                                                 WE WILL SEND THE SHIPMENT SOON ON THE
      ADDRESS PUNE
208                                                 THANK YOU FOR SHOPPING WITH US
209                                                 */
210
211
```