

```

1: //Multilevel inheritance
2: //same as single here we go up to C D E F like wise
3: //here Ticket Counter we are making
4: #include<iostream>
5: using namespace std;
6:
7: class PVR{
8:     public:
9:
10:         pvr1(){
11:             int seatnos,totalbill,seattype,eachseatrate;
12:             cout<<"Enter Seattype you want for executive press 1"<<endl;
13:             cout<<"Enter Seattype you want for recliner press 2"<<endl;
14:             cout<<"Enter Seattype you want for sofa press 3"<<endl;
15:             cin>>seattype;
16:
17:             if(seattype=1){
18:                 string seattypee ="Executive";
19:                 eachseatrate = 400;
20:                 cout<<"Enter Number of Executive Seats you want to book:"<<endl;
21:                 cin>>seatnos;
22:
23:                 totalbill = seatnos*eachseatrate;
24:                 cout<<"Total Amout of"<<seatnos<<"for"<<seattypee<<"are"<<totalbill<<endl;
25:             }
26:             else if(seattype=2){
27:                 // seattypee"Recliner";
28:                 eachseatrate = 500;
29:                 cout<<"Enter Number of Executive Seats you want to book:"<<endl;
30:                 cin>>seatnos;
31:
32:                 totalbill = seatnos*eachseatrate;
33:                 cout<<"Total Amout of"<<seatnos<<"for"<<seattype<<"are"<<totalbill<<endl;
34:             }
35:             else{
36:                 // seattypee="Sofa";
37:                 eachseatrate = 600;
38:                 cout<<"Enter Number of Executive Seats you want to book:"<<endl;
39:                 cin>>seatnos;
40:
41:                 totalbill = seatnos*eachseatrate;
42:                 cout<<"Total Amout of"<<seatnos<<"for"<<seattype<<"are"<<totalbill<<endl;
43:             }
44:
45:         }
46:
47:     };
48:
49: class Drivein:public PVR{
50:     public:
51:
52:         Drivein1(){
53:             int seatnos,totalbill,seattype,eachseatrate;
54:             cout<<"Enter Seattype you want for executive press 1"<<endl;
55:             cout<<"Enter Seattype you want for recliner press 2"<<endl;
56:             cout<<"Enter Seattype you want for sofa press 3"<<endl;
57:             cin>>seattype;
58:
59:             if(seattype=1){
60:                 // seattypee="Executive";
61:                 eachseatrate = 250;

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62:         cout<<"Enter Number of Executive Seats you want to book:"<<endl;
63:         cin>>seatnos;
64:
65:         totalbill = seatnos*eachsestrate;
66:         cout<<"Total Amount of"<<seatnos<<"for"<<seattype<<"are"<<totalbill<<endl;
67:     }
68:     else if(seattype=2){
69:         //          seatypee="Recliner"
70:         eachsestrate = 300;
71:         cout<<"Enter Number of Executive Seats you want to book:"<<endl;
72:         cin>>seatnos;
73:
74:         totalbill = seatnos*eachsestrate;
75:         cout<<"Total Amount of"<<seatnos<<"for"<<seattype<<"are"<<totalbill<<endl;
76:     }
77:     else{
78:         //          seatypee="Sofa";
79:         eachsestrate = 400;
80:         cout<<"Enter Number of Executive Seats you want to book:"<<endl;
81:         cin>>seatnos;
82:
83:         totalbill = seatnos*eachsestrate;
84:         cout<<"Total Amount of"<<seatnos<<"for"<<seattype<<"are"<<totalbill<<endl;
85:     }
86:
87:     }
88:
89: };
90: class Cinemax:public Drivein{
91:     public:
92:
93:     Cinemax1(){
94:         int seatnos,totalbill,seattype,eachsestrate;
95:         cout<<"Enter Seatype you want for executive press 1"<<endl;
96:         cout<<"Enter Seatype you want for executive press 2"<<endl;
97:         cout<<"Enter Seatype you want for executive press 3"<<endl;
98:         cin>>seattype;
99:
100:        if(seattype=1){
101:            //          seatypee="Executive";
102:            eachsestrate = 250;
103:            cout<<"Enter Number of Executive Seats you want to book:"<<endl;
104:            cin>>seatnos;
105:
106:            totalbill = seatnos*eachsestrate;
107:            cout<<"Total Amount of"<<seatnos<<"for"<<seattype<<"are"<<totalbill<<endl;
108:        }
109:        else if(seattype=2){
110:
111:            //          seatypee="recliner";
112:            eachsestrate = 300;
113:            cout<<"Enter Number of Executive Seats you want to book:"<<endl;
114:            cin>>seatnos;
115:
116:            totalbill = seatnos*eachsestrate;
117:            cout<<"Total Amount of"<<seatnos<<"for"<<seattype<<"are"<<totalbill<<endl;
118:        }
119:        else{
120:            //          seatypee="Sofa";
121:            eachsestrate = 300;
122:            cout<<"Enter Number of Executive Seats you want to book:"<<endl;

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123:             cin>>seatnos;
124:
125:             totalbill = seatnos*eachsestrate;
126:             cout<<"Total Amout of"<<seatnos<<"for"<<seatttype<<"are"<<totalbill<<endl;
127:         }
128:
129:     }
130:
131: };
132: main(){
133:     Cinemax obj;
134:     int theater;
135:
136:     while(1){
137:         cout<<"press 1 for PVR Theater"<<endl;
138:         cout<<"Press 2 for Drivein Theater"<<endl;
139:         cout<<"Press 3 for Cinemax Theater"<<endl;
140:         cin>>theater;
141:
142:         if(theater== 1){
143:             obj.pvr1();
144:         }
145:         else if(theater == 2){
146:             obj.Drivein1();
147:         }
148:         else{
149:             obj.Cinemax1();
150:         }
151:     }
152: }

```