

```

1 #include <iostream>
2
3 using namespace std;
4
5 class Employee {
6     public:
7         int id;
8         string name;
9         int age;
10        double income;
11        string city;
12        string vehicle;
13
14        void validate(){
15            try{
16                if (age < 18 or age > 55){
17                    throw 1855;
18                }
19
20                if (income < 50000 or income > 100000){
21                    throw 50100;
22                }
23
24                if (city != "Pune" && city != "Bangalore"
&& city != "Mumbai" && city != "Chennai"){
25                    throw 400;
26                }
27
28                if (vehicle != "4-Wheeler"){
29                    throw 404;
30                }
31            } catch (int exc) {
32                if (exc == 1855){
33                    cout << " > Age not valid." << endl;
34                } else if (exc == 50100){
35                    cout << " > Income Invalid." << endl;
36                } else if (exc == 400){
37                    cout << " > City Invalid." << endl;
38                } else if (exc == 404){
39                    cout << "Vehicle Invalid." << endl;
40                }
41            } catch (...) {
42                cout << " > UNKNOWN ERROR." << endl;
43            }
44        }
45
46        Employee(){
47            cout << "Enter the Following Details \n";
48            cout << "        Employee ID : ";
49            cin >> id;
50            cout << "        Name : ";
51            cin.ignore();
52            getline(cin, name);
53            cout << "        Age : ";
54            cin >> age;
55            cout << "        Income : ";
56            cin >> income;
57            cout << "        City : ";
58            cin.ignore();
59            getline(cin, city);
60            cout << "        Vehicle : ";
61            cin.ignore();
62            getline(cin, vehicle);
63
64            validate();
65        }
66
67        Employee(int a, string b, int c, double d, string e,
string f){
68            id = a;
69            name = b;
70            age = c;
71            income = d;
72            city = e;
73            vehicle = f;
74
75            validate();
76        }
77
78        void print(){
79            cout << "Entered Details are : " << endl;
80            cout << "        Employee ID : " << id << endl;
81            cout << "        Name : " << name << endl;
82            cout << "        Age : " << age << endl;
83            cout << "        Income : " << income << endl;
84            cout << "        City : " << city << endl;
85            cout << "        Vehicle : " << vehicle << endl;
86        }
87    };
88
89
90
91 int main(){
92     Employee e1;
93     e1.print();
94 }

```


u0_a362@localhost: ~\$./a.out

Enter the Following Details

Employee ID : 1244

Name : Marcus Holloway

Age : 17

Income : 70000

City : Pune

Vehicle : 4-Wheeler

> Age not valid.

Enter the Following Details

Employee ID : 1244

Name : Marcus Holloway

Age : 19

Income : 45000

City : Pune

Vehicle : 4-Wheeler

> Income Invalid.

Enter the Following Details