Assignment Title:	Crete User defined exception to check the following conditions and throw the exception if the criterion does not meet. a. User has age between 18 and 55 b. User stays has income between Rs. 50,000 – Rs. 1,00,000 per month c. User stays in Pune/ Mumbai/ Bangalore / Chennai d. User has 4-wheeler Accept age, Income, City, Vehicle from the user and check for the conditions mentioned
Assignment No.:	06
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Year & DIV.:	SE A
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Program Code:

```
#include<iostream>
#include<cstring>

using namespace std;

int main()
{
    int age;
    int car;
    double income;
    char city[20];

    cout<<"\nEnter age of person:";
    cin>>age;
    try
    {
        if(age<18 || age>55)
        {
        throw age;
        }
```

```
            else
            {
            cout<<"\nAge is="<<age;
            }
      }

      catch(int)
      {
      cout<<"\nAge is not in between 18-55";
      }


      cout<<"\nEnter income of person:";
      cin>>income;
      try
      {
            if(income<50000 || income>100000)
            {
            throw income;
            }
            else`
            {
            cout<<"\nIncome is="<<income;
            }
      }

      catch(double)
      {
      cout<<"\nIncome is not in the range of 50000-100000";
      }


      cout<<"\nEnter city of person:";
      cin>>city;
      try
      {
            if(strcmp(city,"Pune") && strcmp(city,"Mumbai") &&
strcmp(city,"Banglore") && strcmp(city,"Chennai"))
            //if(city!="Pune" && city!="Mumbai" && city!="Banglore" &&
city!="Chennai")
            {
            throw city;
            }
            else
            {
            cout<<"\nCity is="<<city;
            }
      }

      catch(char[])
      {
```

```
      cout<<"\nPerson is not staying in the
Pune/Mumbai/Banglore/Chennai";
      }


      cout<<"\nEnter type of car (2 wheeler or 4 wheeler) of person:";
      cin>>car;
      try
      {

            if(car!=2 && car!=4)
            {
            throw car;
            }
            else
            {
            cout<<"\nvehicle is="<<car;
            }
      }

      catch(int)
      {
      cout<<"\nPerson is not holding 2 wheeler or 4 wheeler";
      }

return 0;
}
```

Program Output:

Enter age of person:20

Age is=20
Enter income of person:51000

Income is=51000
Enter city of person:Nashik

Person is not staying in the Pune/Mumbai/Banglore/Chennai
Enter type of car (2 wheeler or 4 wheeler) of person:4

vehicle is=4wheeler