**Assignment No.7(Exception Handeling).**

#include <iostream>

#include<string>

using namespace std;

int main() {

int age;

string name,city;

char gender;

double salary;

cout<<"\t\*\*\*\*\*\*\*Enter details";

try {

cout<<endl<<"Enter name:";

cin>>name;

cout<<endl<<"Enter age:";

cin>>age;

if(age<0){

throw age;}

cout<<endl<<"Enter city from you are belongs to...:";

cin>>city;

if(city!="mumbai" && city!="pune" && city!="delhi" && city!="hyderabad"){

throw city;}

cout<<endl<<"Enter gender(m/f/t).''";

cin>>gender;

if(gender!='m'&& gender!='M' && gender!='f' && gender!='F' && gender!='t' && gender!='T'){

throw gender;}

cout<<endl<<"Enter salary:";

cin>>salary;

if(salary<5000){

throw salary;}

else if(salary>50000){

throw salary;}}

catch (int e) {

cout<<endl<<"invalid age entered by user...!!!"; }

catch (string e) {

cout<<"Sorry... you are not eligible for this.because you are not belongs to mentioned cities...!!!";}

catch (char e) {

cout<<"Invalid gender value entered!!!";}

catch (double e) {

cout<<" Salary you have entered are not in the range of 5000 to 50000!!!";}

cout<<endl<<"\*\*\*\*\*\*\*\*\*\*\*Information Card\*\*\*\*\*\*\*\*";

cout<<endl<<"Name:"<<name;

cout<<endl<<"Age:"<<age;

cout<<endl<<"City:"<<city;

cout<<endl<<"Gender:"<<gender;

cout<<endl<<"Salary:"<<salary;

return 0;

}

**Output:**

Enter name:Rohit

Enter age:-3

invalid age entered by user...!!!

Enter age:84

Enter city from you are belongs to:america

Sorry... you are not eligible for this.because you are not belongs to mentioned cities...!!!

Enter city from you are belongs to:pune

Enter gender(m/f/t):g

Invalid gender value entered!!!

Enter gender(m/f/t):m

Enter salary:456

Salary you have entered are not in the range of 5000 to 50000!!!

Enter salary:5644

\*\*\*\*\*\*\*\*\*\*\*Information Card\*\*\*\*\*\*\*\*

Name:Rohit

Age:84

City:pune

Gender:m

Salary:5644