Experiment No: 05

#PROGRAM:

#include<iostream>

#include <cstdlib>

#include<cstring>

using namespace std;

class tour

{

public:

char city\_name[50];

float tour\_price,tax,tour\_discount;

void create\_tour()

{

cout<<endl<<"Enter The Name of The city: ";

cin.ignore();

cin.getline(city\_name ,50);

cout<<endl<<"Enter The Price of The tour: ";

cin>>tour\_price;

cout<<endl<<"Enter The Discount (%): ";

cin>>tour\_discount;

cout<<endl<<"Enter tax: ";

cin>>tax;

}

char\* get\_city\_name()

{

return city\_name;

}

virtual void show\_data()

{

//cout<<"Name of country: "<<country<<endl;

//cout<<"Name of state: "<<state<<endl;

cout<<"Name of city: "<<city\_name<<endl;

cout<<"Price of tour: "<<tour\_price<<endl;

cout<<"Discount for tour: "<<tour\_discount<<"%"<<endl;

cout<<"Tax for tour: "<<tax<<"%"<<endl;

}

};

class tour2:public tour

{

public:

string name,add,mobile\_no,date;

int no\_of\_days;

void customer\_info()

{

cout<<"\n\tPlease Enter your details....\n\n"<<endl;

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

cin>>name;

cout<<"Enter your address: "<<endl;

cin>>add;

cout<<"Enter your mobile number: "<<endl;

cin>>mobile\_no;

cout<<"On which date you want to go to tour ?"<<endl;

cin>>date;

cout<<"How many dats you wany to stay there ?"<<endl;

cin>>no\_of\_days;

cout<<"\t\t\n\nThank You..."<<endl;

cout<<"\n\n\tCongratulations , Your tour is Successfully booked.Enjoy your tour.\n"<<endl;

}

void show\_data()

{

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

cout<<"address of customer: "<<add<<endl;

cout<<"mobile number of customer: "<<mobile\_no<<endl;

cout<<"Date: "<<date<<endl;

cout<<"Number of days: "<<no\_of\_days<<endl;

}

};

int main()

{

//cout<<"\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;

cout<<"\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;

cout<<"\t\t\*\*\*\*\*\*\*\*TOUR MANAGEMENT SYSTEM\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;

cout<<"\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;

//cout<<"\t\t\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*"<<endl;

cout<<"\n\n\t\t\t\t----------------WELCOME , TO OUR SYSTEM--------"<<endl;

cout<<"\n\n";

string city;

tour \*ptr[10];

tour2 t[10];

/\*for(int i=0;i<n;i++)

{

ptr[i]=&t[i];

ptr[i]->create\_tour();

}

for(int i=0;i<n;i++)

{

t[i].customer\_info();

ptr[i]->show\_data();

}\*/

while(1)

{

cout<<"1.Add\_Data"<<endl;

cout<<"2.Book"<<endl;

cout<<"3.Show\_Data"<<endl;

cout<<"Enter choice: ";

int choice,j,i;

cin>>choice;

switch(choice)

{

case 1:

int n;

cout<<"How many records you want to add: ";

cin>>n;

for(int i=0;i<n;i++)

{

ptr[i]=&t[i];

ptr[i]->create\_tour();

}

break;

case 2:

cout<<"Enter the city where you want to go: ";

cin>>city;

for(int i=0;i<n;i++)

{

for(j=0;j<n;j++)

{

if(t[j].city\_name==city)

{

t[j].customer\_info();

break;

}

else{

cout<<"record not present"<<endl;

}

}break;

}

break;

case 3:

//for(int i=0;i<n;i++)

// {

ptr[j]->show\_data();

//}

break;

default:

cout<<"Error";

}

}

/\*t.create\_tour();

cout<<"\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_"<<endl;

t.customer\_info();

cout<<"\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\n"<<endl;

t.show\_tour();\*/

return 0;

}

#OUTPUT:

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*TOUR MANAGEMENT SYSTEM\*\*\*\*\*\*\*\*\*\*\*\*\*

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

----------------WELCOME , TO OUR SYSTEM--------

1.Add\_Data

2.Book

3.Show\_Data

Enter choice: 1

How many records you want to add: 2

Enter The Name of The city: pune

Enter The Price of The tour: 10000

Enter The Discount (%): 10

Enter tax: 05

Enter The Name of The city: mumbai

Enter The Price of The tour: 14523

Enter The Discount (%): 12

Enter tax: 02

1.Add\_Data

2.Book

3.Show\_Data

Enter choice: 2

Enter the city where you want to go: mumbai

record not present

Please Enter your details....

Enter your name:

sagar

Enter your address:

pune

Enter your mobile number:

14522655

On which date you want to go to tour ?

11/12

How many dats you wany to stay there ?

5

Thank You...

Congratulations , Your tour is Successfully booked.Enjoy your tour.

1.Add\_Data

2.Book

3.Show\_Data

Enter choice: 3

Name of customer: sagar

address of customer: pune

mobile number of customer: 14522655

Date: 11/12

Number of days: 5