**Experiment no 2(A):**

#include<iostream>

#include <cstdlib>

using namespace std;

class tour

{

public:

int tour\_number;

char tour\_name[50];

float tour\_price,tax,tour\_discount;

string name,add,mobile\_no,date;

int no\_of\_days;

void create\_tour()

{

cout<<endl<<"Enter The tour Number: ";

cin>>tour\_number;

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

cin.ignore();

cin.getline(tour\_name ,50);

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

cin>>tour\_price;

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

cin>>tour\_discount;

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

cin>>tax;

}

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\_tour()

{

cout<<"Tour number is: "<<tour\_number<<endl;

cout<<"Tour name is: "<<tour\_name<<endl;

cout<<"Tour Price is: "<<tour\_price<<endl;

cout<<"Tour Discount is: "<<tour\_discount<<endl;

cout<<"Tour tax is: "<<tax<<endl;

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()

{

tour t;

//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";

t.create\_tour();

t.customer\_info();

t.show\_tour();

return 0;

}

**output:**

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

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

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

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

Enter The tour Number: 1

Enter The Name of The tour: pune

Enter The Price of The tour: 14526

Enter The Discount (%): 12

Enter The tax: 05

Please Enter your details....

Enter your name:

sagar

Enter your address:

pune

Enter your mobile number:

125479

On which date you want to go to tour ?

12/12

How many dats you wany to stay there ?

5

Thank You...

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

Tour number is: 1

Tour name is: pune

Tour Price is: 14526

Tour Discount is: 12

Tour tax is: 5

Name of customer: sagar

address of customer: pune

mobile number of customer: 125479

date: 12/12

number of days: 5

**Experiment no.2(B):**

#include<iostream>

#include <cstdlib>

using namespace std;

int n,i,j;

class tour

{

public:

int tour\_number;

char tour\_name[50];

float tour\_price,tax,tour\_discount;

string city;

void create\_tour()

{

cout<<endl<<"Enter The tour Number: ";

cin>>tour\_number;

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

cin.ignore();

cin.getline(tour\_name ,50);

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

cin>>tour\_price;

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

cin>>tour\_discount;

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

cin>>tax;

}

void show\_tour()

{

cout<<endl<<tour\_number<<"\t\t"<<tour\_name<<"\t\t"<<tour\_price<<"\t\t"<<tour\_discount<<"\t\t"<<tax<<endl;

}

int gettour()

{

return tour\_number;

}

float gettour\_price()

{

return tour\_price;

}

char\* getName()

{

return tour\_name;

}

float getDiscount()

{

return tour\_discount;

}

void place\_tour()

{

string city;

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

cin>>city;

if(getName()==city)

{

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

cout<<"Tour number is: "<<tour\_number<<endl;

cout<<"Tour name is: "<<tour\_name<<endl;

cout<<"Tour Price is: "<<tour\_price<<endl;

cout<<"Tour Discount is: "<<tour\_discount<<endl;

cout<<"Tour tax is: "<<tax<<endl;

cout<<"\n\nCongratulations, You Successfully selected your tour, Please enter your Details."<<endl;

cout<<"\n\n";

string name,add,mobile\_no,date;

int no\_of\_days;

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<<"\n\nThank You...Your tour is Successfully booked";

}

else

{

cout<<"record not found"<<endl;

}

}

};

int main()

{

tour t[100];

//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";

cout<<"Enter no of tour records you want to add: ";

cin>>n;

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

{

cout<<"\n\tEnter the data of "<<i+1<<" tour"<<endl;

t[i].create\_tour();

}

cout<<"\n\nT.NO\t\tNAME\t\tPRICE\t\tDISCOUNT\tTAX"<<endl;

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

{

t[i].show\_tour();

}

cout<<"\n\n";

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

{

t[i].place\_tour();

}

return 0;

}

**output:**

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

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

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

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

Enter no of tour records you want to add: 2

Enter the data of 1 tour

Enter The tour Number: 1

Enter The Name of The tour: pune

Enter The Price of The tour: 12365

Enter The Discount (%): 12

Enter The tax: 05

Enter the data of 2 tour

Enter The tour Number: 2

Enter The Name of The tour: mumbai

Enter The Price of The tour: 1462

Enter The Discount (%): 15

Enter The tax: 03

T.NO NAME PRICE DISCOUNT TAX

1 pune 12365 12 5

2 mumbai 1462 15 3

Enter the city where you want to go: mumbai

record not found

Enter the city where you want to go: mumbai

\*\*\*\*\*\*\*record found\*\*\*\*\*\*\*

Tour number is: 2

Tour name is: mumbai

Tour Price is: 1462

Tour Discount is: 15

Tour tax is: 3

Congratulations, You Successfully selected your tour, Please enter your Details.

Enter your name:

sagar

Enter your address:

pune

Enter your mobile number:

456987

On which date you want to go to tour ?

12/12/2019

How many dats you wany to stay there ?

5

Thank You...Your tour is Successfully booked