```cpp
#include<iostream.h>
#include<conio.h>
//using multilevel inheritance
class tourism //base class//1 member function
    {
        public:
        void input()
        {
            cout<<"----------------------------------------------------------------------------"<<endl;
            cout<<"                        Project Name:Tourism Management "<<endl;
            cout<<"----------------------------------------------------------------------------"<<endl;
            cout<<" "<<endl;

    cout<<"****************************************************************************"<<endl;
            cout<<"                           Welcome to Manav Tours And Travels                        "<<endl;

    cout<<"****************************************************************************"<<endl;
            cout<<" "<<endl;
            cout<<"----------------Information About The Holiday Packages And Prices-------------"<<endl;
            cout<<" "<<endl;
            cout<<"--------------------------Rules and Regulations----------------------------"<<endl;
            cout<<"Timings on which booking is available everyday except sunday's:8 a.m - 8 p.m"<<endl;
            cout<<" "<<endl;
            cout<<"If You Want To Cancel Your Bookings,You Can Cancel It Anytime But 1200 Rupees would be charged as your cancellation charge"<<endl;

    cout<<"****************************************************************************"<<endl;
        }
    };
class tourists:public tourism
    {
        public:
        int n,adults,childrens;
        void details()
            {
                cout<<" "<<endl;
                cout<<"                              Tourist Information                          "<<endl;

    cout<<"****************************************************************************"<<endl;
                cout<<"Please enter the number of passengers: "<<endl;
                cin>>n;
                cout<<"Please enter the number of adults: "<<endl;
                cin>>adults;
```

```cpp
                        cout<<"Please enter the number of childrens: "<<endl;
                        cin>>childrens;
                            if((adults+childrens)==n)
                                {
                                        cout<<"Please fill in the details below"<<endl;
                                }
                            else
                                {
                                        cout<<"Please check the number of passengers"<<endl;
                                }
                    }
            char name[20],username[50],add[50],dob[50];
            int age,phoneno,x;
            void getdata()
                    {
                        cout<<"Please Enter Your Name:"<<endl;
                        cin>>name;
                        cout<<"Please Enter Your Username:"<<endl;
                        cin>>username;
                        cout<<"Please Enter Your Date Of Birth in (dd-mm-yyyy) format:";
                        cin>>dob;
                        cout<<"Please Enter Your Age:";
                        cin>>age;
                        cout<<"Please Enter Your Phone Number:";
                        cin>>phoneno;
                        cout<<"Please Enter Your Home Address:";
                        cin>>add;
                        cout<<" "<<endl;
                        cout<<"**************Thank You!****************"<<endl;
                        cout<<" "<<endl;
                    }
            void display()
                    {
                        cout<<" "<<endl;
                        cout<<"-----------------------------------------------------------------"<<endl;
                        cout<<"**********************Information Of The Tourist********************"<<endl;
                        cout<<"-----------------------------------------------------------------"<<endl;
                        cout<<"Name:"<<name<<endl;
                        cout<<"Username:"<<username<<endl;
                        cout<<"Date Of Birth:"<<dob<<endl;
                        cout<<"Age:"<<age<<endl;
                        cout<<"Phone Number:"<<phoneno<<endl;
                        cout<<"Home Address:"<<add<<endl;
                        cout<<"****************You have successfully entered your information****************"<<endl;
                        cout<<" "<<endl;
                    }
            void choose()
                    {
                        cout<<"Select your Preference:"<<endl;
```

```cpp
cout<<"1.International Packages"<<endl;
cout<<"2.Domestic Packages"<<endl;
cin>>x;
        if(x==1)
                {
                int op;
                float price;
                cout<<" "<<endl;
                cout<<"********************Holiday
Packages With Their Prices********************"<<endl;
                cout<<"-------------------------------
-------------------------------------------"<<endl;
                cout<<"1.Dubai"<<endl;
                cout<<"Price For Dubai
Package:"<<60000<<endl;
                cout<<"price=60000"<<endl;
                cout<<"2.USA"<<endl;
                cout<<"Price For USA
Package:"<<75000<<endl;
                cout<<"price=75000"<<endl;
                cout<<"3.France"<<endl;
                cout<<"Price For France
Package:"<<80000<<endl;
                cout<<"price=80000"<<endl;
                cout<<"4.Greece"<<endl;
                cout<<"Price For Greece
Package:"<<85000<<endl;
                cout<<"price=85000"<<endl;
                cout<<"5.Switzerland"<<endl;
                cout<<"Price For Switzerland
Package:"<<75000<<endl;
                cout<<"price=75000"<<endl;
                cout<<"-------------------------------
------------"<<endl;
                cout<<"Please Select Any Of The Package
Of Your Choice:";
                cin>>op;
                    if((op==1) || (op==2) || (op==3)
|| (op==4) || (op==5))
                            {
                                cout<<"You Have
Selected The Package Of  "<<op<<endl;
                            }
                        else
                            {
                                cout<<"Please Enter a
Valid Choice"<<endl;

    cout<<"1.Dubai"<<endl;
                                cout<<"Price For
Dubai Package:"<<60000<<endl;

    cout<<"price=60000"<<endl;
                                cout<<"2.USA"<<endl;
                                cout<<"Price For USA
Package:"<<75000<<endl;

    cout<<"price=75000"<<endl;
```

```cpp
    cout<<"3.France"<<endl;
                                        cout<<"Price For
France Package:"<<80000<<endl;

    cout<<"price=80000"<<endl;

    cout<<"4.Greece"<<endl;
                                        cout<<"Price For
Greece Package:"<<85000<<endl;

    cout<<"price=85000"<<endl;

    cout<<"5.Switzerland"<<endl;
                                        cout<<"Price For
Switzerland Package:"<<75000<<endl;

    cout<<"price=75000"<<endl;
                                        cout<<"-------------
---------------------------"<<endl;
                                        cout<<"Please Select
Any Of The Package Of Your Choice:";
                                        cin>>op;
                                            if((op==1) ||
(op==2) || (op==3) || (op==4) || (op==5))
                                                {

    cout<<"You Have Selected The Package Of  "<<op<<endl;
                                                }
                                        }
                                        cout<<" "<<endl;
                                    }
                                else if(x==2)
                                    {
                                        int op;
                                        float price;
                                        cout<<" "<<endl;

    cout<<"***************************Holiday Packages With Their
Prices***********************"<<endl;
                                        cout<<"-------------------------
-------------------------------------------------------"<<endl;
                                        cout<<"1.Rajasthan"<<endl;
                                        cout<<"Price For Rajasthan
Package:"<<6000<<endl;

                                        cout<<"price=6000"<<endl;
                                        cout<<"2.Goa"<<endl;
                                        cout<<"Price For Goa
Package:"<<7500<<endl;

                                        cout<<"price=7500"<<endl;
                                        cout<<"3.Jammu and
Kashmir"<<endl;

                                        cout<<"Price For Jammu and
Kashmir Package:"<<8000<<endl;

                                        cout<<"price=8000"<<endl;
                                        cout<<"4.Delhi and Agra"<<endl;
                                        cout<<"Price For Delhi and Agra
Package:"<<6500<<endl;
```

```cpp
                                        cout<<"price=6500"<<endl;
                                        cout<<"5.Kerala"<<endl;
                                        cout<<"Price For Kerala
Package:"<<5500<<endl;
                                        cout<<"price=5500"<<endl;
-----------------                       cout<<"-------------------------
-"<<endl;
                                        cout<<"Please Select Any Of The
Package Of Your Choice:";
                                        cin>>op;
                                            if((op==1) || (op==2) ||
(op==3) || (op==4) || (op==5))
                                                {
                                                    cout<<"You Have
Selected The Package Of Your Destination Choice "<<op<<endl;
                                                }
                                            else
                                                {
                                                    cout<<"Please
Enter a Valid Choice"<<endl;
    cout<<"1.Rajasthan"<<endl;
                                                    cout<<"Price For
Rajasthan Package:"<<6000<<endl;

    cout<<"price=6000"<<endl;

    cout<<"2.Goa"<<endl;
                                                    cout<<"Price For
Goa Package:"<<7500<<endl;

    cout<<"price=7500"<<endl;
                                                    cout<<"3.Jammu
and Kashmir"<<endl;
                                                    cout<<"Price For
Jammu and Kashmir Package:"<<8000<<endl;

    cout<<"price=8000"<<endl;
                                                    cout<<"4.Delhi
and Agra"<<endl;
                                                    cout<<"Price For
Delhi and Agra Package:"<<6500<<endl;

    cout<<"price=6500"<<endl;

    cout<<"5.Kerala"<<endl;
                                                    cout<<"Price For
Kerala Package:"<<5500<<endl;

    cout<<"price=5500"<<endl;
                                                    cout<<"---------
---------------------------------"<<endl;
                                                    cout<<"Please
Select Any Of The Package Of Your Choice:";
                                                    cin>>op;
                                                        if((op==1)
|| (op==2) || (op==3) || (op==4) || (op==5))
                                                            {
```

```cpp
        cout<<"You Have Selected The Package Of Your Destination Choice
"<<op<<endl;
                                                                }
                                              }
                                    cout<<" "<<endl;
                          }
                  else
                      {
                              cout<<"Invalid Choice"<<endl;
                              cout<<"Select your
Prefernce:"<<endl;
                              cout<<"1.International
Packages"<<endl;
                              cout<<"2.Domestic
Packages"<<endl;

                              cin>>x;
                                  if(x==1)
                                      {
                                              int op;
                                              float price;
                                              cout<<" "<<endl;

        cout<<"***************************Holiday Packages With Their
Prices***********************"<<endl;
                                    cout<<"---------
------------------------------------------------------------------
---"<<endl;

        cout<<"1.Dubai"<<endl;
                                              cout<<"Price For
Dubai Package:"<<60000<<endl;

        cout<<"price=60000"<<endl;

        cout<<"2.USA"<<endl;
                                              cout<<"Price For
USA Package:"<<75000<<endl;

        cout<<"price=75000"<<endl;

        cout<<"3.France"<<endl;
                                              cout<<"Price For
France Package:"<<80000<<endl;

        cout<<"price=80000"<<endl;

        cout<<"4.Greece"<<endl;
                                              cout<<"Price For
Greece Package:"<<85000<<endl;

        cout<<"price=85000"<<endl;

        cout<<"5.Switzerland"<<endl;
                                              cout<<"Price For
Switzerland Package:"<<75000<<endl;

        cout<<"price=75000"<<endl;
```

```cpp
                                                     cout<<"---------
------------------------------------"<<endl;
                                                     cout<<"Please
Select Any Of The Package Of Your Choice:";
                                                     cin>>op;
                                                         if((op==1)
|| (op==2) || (op==3) || (op==4) || (op==5))
                                                             {
     cout<<"You Have Selected The Package Of  "<<op<<endl;
                                                             }
                                                     else
                                                             {
     cout<<"Please Enter a Valid Choice"<<endl;

     cout<<"1.Dubai"<<endl;

     cout<<"Price For Dubai Package:"<<60000<<endl;

     cout<<"price=60000"<<endl;

     cout<<"2.USA"<<endl;

     cout<<"Price For USA Package:"<<75000<<endl;

     cout<<"price=75000"<<endl;

     cout<<"3.France"<<endl;

     cout<<"Price For France Package:"<<80000<<endl;

     cout<<"price=80000"<<endl;

     cout<<"4.Greece"<<endl;

     cout<<"Price For Greece Package:"<<85000<<endl;

     cout<<"price=85000"<<endl;

     cout<<"5.Switzerland"<<endl;

     cout<<"Price For Switzerland Package:"<<75000<<endl;

     cout<<"price=75000"<<endl;

     cout<<"-------------------------------------------"<<endl;

     cout<<"Please Select Any Of The Package Of Your Choice:";

     cin>>op;

             if((op==1) || (op==2) || (op==3) || (op==4) || (op==5))

                     {

                             cout<<"You Have Selected The Package Of
"<<op<<endl;
```

```cpp
                    }
                                                    }
                                        cout<<" "<<endl;
                                }
                        if(x==2)
                            {
                                int op;
                                float price;
                                cout<<" "<<endl;

    cout<<"*************************Holiday Packages With Their
Prices*************************"<<endl;
                                cout<<"---------
----------------------------------------------------------------------
---"<<endl;

    cout<<"1.Rajasthan"<<endl;
                                cout<<"Price For
Rajasthan Package:"<<6000<<endl;

    cout<<"price=6000"<<endl;

    cout<<"2.Goa"<<endl;
                                cout<<"Price For
Goa Package:"<<7500<<endl;

    cout<<"price=7500"<<endl;
                                cout<<"3.Jammu
and Kashmir"<<endl;
                                cout<<"Price For
Jammu and Kashmir Package:"<<8000<<endl;

    cout<<"price=8000"<<endl;
                                cout<<"4.Delhi
and Agra"<<endl;
                                cout<<"Price For
Delhi and Agra Package:"<<6500<<endl;

    cout<<"price=6500"<<endl;

    cout<<"5.Kerala"<<endl;
                                cout<<"Price For
Kerala Package:"<<5500<<endl;

    cout<<"price=5500"<<endl;
                                cout<<"---------
----------------------------------"<<endl;
                                cout<<"Please
Select Any Of The Package Of Your Choice:";
                                cin>>op;
                                    if((op==1)
|| (op==2) || (op==3) || (op==4) || (op==5))
                                        {

    cout<<"You Have Selected The Package Of Your Destination Choice
"<<op<<endl;
```

```cpp
                                                                    }
                                                            else
                                                                    {

      cout<<"Please Enter a Valid Choice"<<endl;

      cout<<"1.Rajasthan"<<endl;

      cout<<"Price For Rajasthan Package:"<<6000<<endl;

      cout<<"price=6000"<<endl;

      cout<<"2.Goa"<<endl;

      cout<<"Price For Goa Package:"<<7500<<endl;

      cout<<"price=7500"<<endl;

      cout<<"3.Jammu and Kashmir"<<endl;

      cout<<"Price For Jammu and Kashmir Package:"<<8000<<endl;

      cout<<"price=8000"<<endl;

      cout<<"4.Delhi and Agra"<<endl;

      cout<<"Price For Delhi and Agra Package:"<<6500<<endl;

      cout<<"price=6500"<<endl;

      cout<<"5.Kerala"<<endl;

      cout<<"Price For Kerala Package:"<<5500<<endl;

      cout<<"price=5500"<<endl;

      cout<<"------------------------------------------"<<endl;

      cout<<"Please Select Any Of The Package Of Your Choice:";

      cin>>op;

            if((op==1) || (op==2) || (op==3) || (op==4) || (op==5))

                  {

                        cout<<"You Have Selected The Package Of Your
Destination Choice "<<op<<endl;

                  }
                                                                    }
                                                            cout<<"
"<<endl;
                                                    }
                                            }
                        }
};
class calculation:public tourism
```

```cpp
{
public:
    void ticket()
        {
            int op,opt,no,cno,pin,otp,contact,select;
            char name[50];
            cout<<"--------------------------------------------------
-------------------"<<endl;

    cout<<"************************************************************
********"<<endl;
            cout<<"1.Book Ticket"<<endl;
            cout<<"2.Cancel Ticket"<<endl;
            cout<<"3.Print Ticket"<<endl;
            cout<<"Please Click On Any Of The Options:";
            cin>>op;

                    if(op==1)
                        {
                          cout<<"Your Booking is Processing. Please do
the needful."<<endl;
                          cout<<"--------------------------------------
-------------------------"<<endl;
                          cout<<"1.Credit Card"<<endl;
                          cout<<"2.Debit Card"<<endl;
                          cout<<"3.UPI"<<endl;
                          cout<<"Please Choose the payment option from
above: "<<endl;
                          cin>>opt;
                            if((opt==1) || (opt==2))
                                {
                                    cout<<"Please enter the Card
Number: "<<endl;
                                    cin>>cno;
                                    cout<<"Please enter the name of
the card holder: "<<endl;
                                    cin>>name;
                                    cout<<"Please enter the CVC given
on your card: "<<endl;
                                    cin>>pin;
                                    cout<<"1.Submit"<<endl;
                                    cout<<"2.Reset"<<endl;
                                    cin>>no;
                                      if (no==1)
                                        {
                                          cout<<"Please the otp send
on ur mobile number: "<<endl;
                                          cin>>otp;
                                          cout<<"You have successfully
booked your ticket!!"<<endl;
                                        }
                                      if (no==2)
                                        {
                                          cout<<"Please enter the Card
Number: "<<endl;
                                          cin>>cno;
                                          cout<<"Please enter the name
of the card holder: "<<endl;
```

```cpp
                                        cin>>name;
                                        cout<<"Please enter the CVC
given on your card: "<<endl;

                                        cin>>pin;
                                        cout<<"Please the otp send
on ur mobile number: "<<endl;

                                        cin>>otp;
                                        cout<<"You have successfully
booked your ticket!!"<<endl;
                                     }
                                  else
                                  {
                                      cout<<" "<<endl;
                                  }
                              }
                        if(opt==3)
                           {
                                    cout<<"Please enter your mobile
number: "<<endl;

                                    cin>>contact;
                                    cout<<"You have successfully
booked your ticket!!"<<endl;

                                    cout<<"Print ticket:"<<endl;
                                    cout<<"1.Yes"<<endl;
                                    cout<<"2.No"<<endl;
                                    cin>>select;
                                     if (select==1)
                                         {
                                                cout<<"Your ticket is
printed succesfully!"<<endl;

                                         }
                                     if (select==2)
                                         {
                                                cout<<"Check your
message to get the ticket details."<<endl;
                                         }
                                      else
                                         {
                                                cout<<" "<<endl;
                                         }
                              }
                           else
                              {
                                    cout<<" "<<endl;
                              }
                      }

              else if(op==2)
                    {
                          cout<<"You have cancelled your booking,
Rs.1200*-/- would be charged"<<endl;
                       }

              else if(op==3)
                     {
                          cout<<"You have to first do the payment and
get the tickets."<<endl;
```

```cpp
                                cout<<"---------------------------------
-------------------------"<<endl;
                                cout<<"1.Credit Card"<<endl;
                                cout<<"2.Debit Card"<<endl;
                                cout<<"3.UPI"<<endl;
                                cout<<"Please Choose the payment option from
above: "<<endl;
                                cin>>opt;
                                 if((opt==1) || (opt==2))
                                    {
                                        cout<<"Please enter the Card Number:
"<<endl;
                                        cin>>cno;
                                        cout<<"Please enter the name of the
card holder: "<<endl;
                                        cin>>name;
                                        cout<<"Please enter the CVC given on
your card: "<<endl;
                                        cin>>pin;
                                        cout<<"1.Submit"<<endl;
                                        cout<<"2.Reset"<<endl;
                                        cin>>no;
                                            if (no==1)
                                                {

                                                    cout<<"Please the otp
send on ur mobile number: "<<endl;
                                                    cin>>otp;
                                                    cout<<"You have
successfully booked your ticket!!"<<endl;
                                                }
                                            if (no==2)
                                                {
                                                  cout<<"Please enter the Card
Number: "<<endl;
                                                  cin>>cno;
                                                  cout<<"Please enter the name
of the card holder: "<<endl;
                                                  cin>>name;
                                                  cout<<"Please enter the CVC
given on your card: "<<endl;
                                                  cin>>pin;
                                                  cout<<"Please the otp send
on ur mobile number: "<<endl;
                                                   cin>>otp;
                                                  cout<<"You have successfully
booked your ticket!!"<<endl;
                                                }
                                            else
                                                {
                                                  cout<<"Invalid
option"<<endl;
                                                }
                                    }
                                 if(opt==3)
                                    {
                                            cout<<"Please enter your mobile
number: "<<endl;
```

```cpp
                                               cin>>contact;
                                               cout<<"You have successfully
booked your ticket!!"<<endl;

                                               cout<<"Print ticket:"<<endl;
                                               cout<<"1.Yes"<<endl;
                                               cout<<"2.No"<<endl;
                                               cin>>select;
                                                    if (select==1)
                                                         {
                                                                 cout<<"Your
ticket is printed succesfully!"<<endl;
                                                         }
                                                    if (select==2)
                                                         {
                                                                 cout<<"Check
your message to get the ticket details."<<endl;
                                                         }
                                                    else
                                                         {
                                                                 cout<<" "<<endl;
                                                         }
                                         }
                                    else
                                       {
                                          cout<<" "<<endl;
                                       }
                      }
           else
              {
                 cout<<"Please Enter a valid option";
              }
       }
};
class contact:public tourism
{
public:
void showcontact()
{
cout<<"***************************************************************
***********"<<endl;
cout<<"For more inquires..............."<<endl;
cout<<"Contact Us:25527933/25581089"<<endl;
cout<<"Contact Timings: 8 a.m to 8 p.m"<<endl;
cout<<"Address:Shop No.34,Carter
Road,BandStand,Bandra(West),Mumbai."<<endl;
cout<<"Thank You For Using Our Service And Visit Again"<<endl;
cout<<" "<<endl;
}
};
void main()
{
clrscr();
tourists t[10];
calculation cl;
contact ct;
ct.input();
t[1].choose();
t[1].details();
```

```
for(int i=1;i<=t[1].n;i++)
{
t[i].getdata();
}
for(int j=1;j<=t[1].n;j++)
{
t[j].display();
}
cl.ticket();
ct.showcontact();
getch();
}
```