#include<iostream>

using namespace std;

#include<string.h>

void personal\_details();

void food\_finder();

int p;

void hotel\_scheme();

void border()

{

const string greeting = "WELCOME TO DELHI DARSHAN!";

const int pad = 1;

const int rows = pad \* 2 + 3;

const string::size\_type cols = greeting.size() + pad \* 2 + 2;

cout <<endl;

int r = 0;

while (r != rows)

{

string::size\_type c = 0;

while(c != cols)

{

if (r == 0 || r == rows -1 || c == 0 || c == cols -1)

{

cout << "\*";

}

else

{

if (r == pad + 1 && c == pad + 1)

{

cout << greeting;

c += (greeting.size()-1);

}

else

{

cout << " ";

}

}

++c;

}

++r;

cout <<endl;

}

}

int main()

{

border();

cout<<"\nTo plan the best trips in Delhi, this is your go-to place!!\n\n";

char name[100];

int x;

cout<<"Enter your first name: ";

cin>>name;

cout<<"\nHelp us serve you in the best way possible,"<<name<<"!\n\n";

cout<<"Enter your choice\n\n 1-Plan a short trip to explore Delhi before you hop off to another destination\n\n "

"2-Know more about Delhi\n";

cin>>x;

if(x==2)

{

try

{

cout<<"\nDelhi, city and national capital territory, north-central India.\n";

cout<<"The city of Delhi actually consists of two components:\n";

cout<<"Old Delhi, in the north, the historic city; and New Delhi, in the south, since 1947 the capital of India\n";

cout<<"Built in the first part of the 20th century as the capital of British India.\nIn Old Delhi, a neighborhood dating to the 1600s, stands the imposing Mughal-era Red Fort,\n a symbol of India, and the sprawling Jama Masjid mosque, whose courtyard accommodates 25,000 people.\n Nearby is Chandni Chowk, a vibrant bazaar filled with food carts, sweets shops and spice stalls.\n";

throw 1;

}

//throwing integer

catch(int x)

{

cout<<"\nThank you for reading! Do consider booking your trip with us!\n";

}

exit(0);

}

//if 1 is entered it will help plan your trip

if(x==1)

{

int y;

cout<<"\nEnter number of days: \n\n";

cout<<"1 day\n2 days\n3 days\n";

cin>>y;

if(y==1)

{

char a[6][100];

//creating array for choices to display

strcpy( a[1],"Qutub Minar");

strcpy( a[2],"India Gate");

strcpy( a[3],"Lotus Temple");

strcpy(a[4],"Akshardham Temple");

strcpy( a[5],"Dilli Haat");

strcpy( a[6],"Connaught Place");

cout<<"\nChoose places to visit:\n\n";

cout<<" MONUMENTS\n\n";

cout<<"1.Qutub Minar\n";

cout<<"2.India Gate\n\n";

cout<<" RELIGIOUS PLACES\n\n";

cout<<"3.Lotus Temple\n";

cout<<"4.Akshardham Temple\n\n";

cout<<" MARKETS\n";

cout<<"5.Dilli Haat\n";

cout<<"6.Connaught Place\n";

int z;

int i;

char itinery[4][100];

char ch;

int count2=0 ;

i=0;

//place chosen is copied to another array with final places to visit

do {

cout<<"\nEnter choice number:\n";

cin>>z;

strcpy(itinery[i],a[z]);

if(i<4)

{

cout<<"Do u want to continue? Y or N\n";

cin>>ch;

i++;

}

count2++;

}

while((ch=='y'||ch=='Y')&&i<4);

cout<<"\nYour final itinerary is\n\n";

int t=11;

//displays elements of 'itinerary' array

for(i=0;i<count2;i++)

{

cout<<itinery[i]<<"\t\t"<<t<<"hrs"<<endl;

t++;

}

personal\_details();

food\_finder();

}

//helps plan 3 day trip

if(y==3)

{

char monuments[9][100];

strcpy(monuments[0],"Humayun's Tomb");

strcpy(monuments[1],"Qutub Minar");

strcpy(monuments[2],"Lajpat Nagar");

strcpy(monuments[3],"Hauz Khas Village");

strcpy( monuments[4],"India Gate");

strcpy( monuments[5],"Lotus Temple");

strcpy(monuments[6],"Akshardham Temple");

strcpy( monuments[7],"Dilli Haat");

strcpy( monuments[8],"Connaught Place");

char day\_1[3][100];

int y;

int i=0;

int n=9;

int p;

int j;

cout<<"Choose places to visit for day 1\n";

for(i=0;i<9;i++)

{

cout<<"\n"<<i+1<<". "<<monuments[i]<<"\n";

}

for(i=0;i<3;)

{

cout<<"\nEnter choice "<<i+1<<"\n";

cin>>p;

cout<<endl;

strcpy(day\_1[i],monuments[p-1]);

i++;

}

int r,s=9;

for(j=0;j<3;j++)

{

for(i=0;i<s;i++){

if(strcmp(day\_1[j],monuments[i])==0)

{

for(r=i;r<s-1;r++)

{

strcpy(monuments[r],monuments[r+1]);

}

s--;

}

}

}

int q=0;

cout<<"DAY 1 ITINERARY\n\n";

for(q=0;q<3;q++)

{

cout<<day\_1[q]<<endl;

}

cout<<endl;

cout<<"\nFor day 2 select places from updated catalogue\n\n";

for(i=0;i<6;i++)

{

cout<<"\n"<<i+1<<". "<<monuments[i]<<endl;

}

char day\_2[3][100];

int z;

cout<<endl;

cout<<endl;

cout<<endl;

cout<<endl;

for(i=0;i<3;i++)

{

cout<<"Enter choice number\n";

cout<<endl;

cout<<endl;

cin>>z;

strcpy(day\_2[i],monuments[z-1]);

}

cout<<"\nDAY 2 ITINERARY\n\n";

for(i=0;i<3;i++)

{

cout<<day\_2[i];

cout<<endl;

}

int S = 6;

int R;

for(j=0;j<3;j++)

{

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

{

if(strcmp(day\_2[j],monuments[i])==0)

{

for(R=i;R<S-1;R++)

{

strcpy(monuments[R],monuments[R+1]);

}

S--;

}

}

}

cout<<endl;

cout<<endl;

cout<<endl;

cout<<"DAY 3 ITINERARY\n";

cout<<endl;

for(i=0;i<3;i++)

{

cout<<monuments[i];

cout<<endl;

}

personal\_details();

food\_finder();

}

//helps plan 2 day trip

if(y==2)

{

char monuments[9][100];

strcpy(monuments[0],"Humayun's Tomb");

strcpy(monuments[1],"Qutub Minar");

strcpy(monuments[2],"Lajpat Nagar");

strcpy(monuments[3],"Hauz Khas Village");

strcpy( monuments[4],"India Gate");

strcpy( monuments[5],"Lotus Temple");

strcpy(monuments[6],"Akshardham Temple");

strcpy( monuments[7],"Dilli Haat");

strcpy( monuments[8],"Connaught Place");

char day\_1[3][100];

int i=0;

int n=9;

int p;

int j;

for(i=0;i<9;i++)

{

cout<<monuments[i]<<i+1<<endl;

}

for(i=0;i<3;)

{

cout<<"Enter choice "<<"\t"<<i+1<<"\n";

cin>>p;

cout<<endl;

strcpy(day\_1[i],monuments[p-1]);

i++;

}

int r,s=9;

for(j=0;j<3;j++)

{

for(i=0;i<s;i++){

if(strcmp(day\_1[j],monuments[i])==0)

{

for(r=i;r<s-1;r++)

{

strcpy(monuments[r],monuments[r+1]);

}

s--;

}

}

}

int q=0;

cout<<"\nDAY 1 ITINERARY";

cout<<endl;

for(q=0;q<3;q++)

{

cout<<day\_1[q]<<endl;

}

cout<<endl;

cout<<"\nFor day 2 select places from updated catalogue\n\n";

for(i=0;i<6;i++)

{

cout<<monuments[i]<<"\t"<<i+1<<endl;

}

char day\_2[3][100];

int z;

cout<<endl;

cout<<endl;

for(i=0;i<3;i++)

{

cout<<"\nEnter choice number: \n";

cout<<endl;

cin>>z;

strcpy(day\_2[i],monuments[z-1]);

}

//displays chosen places to visit on day 2

cout<<"\nDAY 2 ITINERARY\n";

cout<<endl;

for(i=0;i<3;i++)

{

cout<<day\_2[i];

cout<<endl;

cout<<endl;

}

personal\_details();

food\_finder();

}

}

int p;

void hotel\_scheme();

char a[4][100];

char b[4][100];

char c[4][100];

cout<<"\nLet us help you book a hotel for your stay\n\n";

cout<<"Press 1 for 3 star hotel\n";

cout<<"Press 2 for 4 star hotel\n";

cout<<"Press 3 for exotic 5 star hotel\n";

cin>>p;

//switchcase for the rating of hotel chosen

switch(p)

{

case 1:

strcpy(a[0],"Hotel Aerocity");

strcpy(a[1],"Ajanta Hotel");

strcpy(a[2],"Lemon Tree Premier");

strcpy(a[3],"Hotel Kingston");

int i;

//options displayed for the rating chosen

cout<<"\nChoose from our list\n\n";

for(i=0;i<4;i++)

{

cout<<i+1<<". "<<a[i];

cout<<endl<<endl;

}

cout<<"\nChoose number corresponding to the hotel of choice\n";

int x;

cin>>x;

cout<<"\n"<<a[x-1]<<" welcomes you!\n\n";

break;

case 2:

strcpy(b[0],"4 points by Sheraton");

strcpy(b[1],"Hotel De Pavilion");

strcpy(b[2],"Radisson Blu");

strcpy(b[3],"The Royal Plaza");

int p;

cout<<"\nChoose from our list\n\n";

for(p=0;p<4;p++)

{

cout<<p+1<<". "<<b[p]<<"\t";

cout<<endl;

}

cout<<"\nChoose number corresponding to the hotel of choice\n";

int z;

cin>>z;

cout<<"\n"<<b[z-1]<<"\n"<<"welcomes you!\n\n";

break;

case 3:

strcpy(c[0],"The Lalit");

strcpy(c[1],"The Taj Palace");

strcpy(c[2],"Welcome Hotel-ITC");

strcpy(c[3],"JW Mariott");

int s;

cout<<"\nChoose from our list\n\n";

for(s=0;s<4;s++)

{

cout<<s+1<<". "<<c[s]<<"\t";

cout<<endl;

}

cout<<"\nChoose number corresponding to the hotel of choice\n";

int h;

cin>>h;

cout<<"\n"<<c[h-1]<<" welcomes you\n\n";

break;

}

hotel\_scheme();

//offering guide facility

cout<<"\n\nDo you want a tour guide?";

cout<<endl;

cout<<"\n(Tour guide services are not included in package.Payment for the same is done separately.)\n";

cout<<endl;

cout<<"Charges are as follows(per day):\n ";

cout<<endl;

cout<<"Rupees 1000 for Hindi and English";

cout<<endl;

cout<<"Rupees 1500 for European languages";

cout<<endl;

cout<<"Rupees 2000 for Asian languages";

cout<<endl;

cout<<"\nIf yes press 1 and if no press 2";

cout<<endl;

int h,l;

cin>>h;

switch(h){

case 1:

cout<<"\nEnter the preffered language: ";

cout<<endl;

cout<<"\nCurrently we are providing guide servecies in English ,Hindi,Asian and European languages!\n";

cout<<endl;

cout<<"For Hindi press 1\n";

cout<<endl;

cout<<"For English press 2\n";

cout<<endl;

cout<<"For a European language press 3\n";

cout<<endl;

cout<<"For an Asian language press 4\n";

cout<<endl;

cin>>l;

//switchcase to display guide according to language chosen

//also calculates cost of guide accordingly

switch(l)

{

case 1:

cout<<"\nYour guide is Suresh Gupta";

cout<<endl;

cout<<"His contact number is 1234526378";

cout<<endl;

cout<<"\nFor how many days will our be requiring the services of our guide?\n";

int Z;

cin>>Z;

cout<<"\nTour guide expenditure="<<"Rs."<<(1000\*Z);

break;

case 2:

cout<<"\nYour guide is Ajay Mehta";

cout<<endl;

cout<<"His contact number is 123452636548";

cout<<endl;

cout<<"\nFor how many days will our be requiring the services of our guide?";

int Q;

cin>>Q;

cout<<"\nTour guide expenditure="<<"Rs."<<(1000\*Q);

break;

case 3:

cout<<"\nYour guide is Ritu Sharma ";

cout<<endl;

cout<<"Her contact number is 1234434548";

cout<<endl;

cout<<"\nFor how many days will our be requiring the services of our guide?";

int T;

cin>>T;

cout<<"\nTour guide expenditure="<<"Rs."<<(1500\*T);

break;

case 4:

cout<<"\nYour guide name is Jay Singh";

cout<<endl;

cout<<"His contact number is 132336548";

cout<<endl;

cout<<"\nFor how many days will our be requiring the services of our guide?";

cout<<endl;

int M;

cin>>M;

cout<<"\nTour guide expenditure="<<"Rs."<<(2000\*M);

cout<<endl;

break;

}

case 2:

int rt;

cout<<" \n\nHOPE YOU ENJOY YOUR TRIP!";

cout<<"\nRate us and help improve our website!";

cout<<"\nEnter the number of stars you would give us: ";

cin>>rt;

cout<<"\nThank you for your "<<rt<<" star rating!";

cout<<endl;

}

return 0;

}

void personal\_details()

{

int i;

int p;

cout<<"\nEnter number of members: \n";

cin>>p;

char car[100];

struct details

{

char name[100];

char age;

char gender;

}S[p];

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

{

cout<<"\nEnter details for member "<<i+1<<endl;

char car[100];

cout<<"\nEnter name:\n";

cin>>S[i].name;

cout<<"\nEnter age:\n";

cin>>S[i].age;

cout<<"\nEnter gender:\n";

cout<<"M/F/O\n";

getchar();

cin>>S[i].gender;

}

//if statements to choose car according to number of membes entered

if(p>=1&&p<=3)

{

strcpy(car,"Nissan Micra");

}

if(p>=4&&p<=6)

{

strcpy(car,"Maruti Suzuki Ertiga");

}

if(p>=7)

{

strcpy(car,"Mini Bus");

}

cout<<"\nOur recommended mode of transport is\n\n";

cout<<car;

}

void food\_finder()

{

int a;

char place[100];

cout<<"\n\nEnter your favourite cuisine\n\n";

cout<<"1-Punjabi\n2-Chinese\n3-South Indian\n";

cin>>a;

switch(a)

{

case 1:

strcpy(place,"Rajinder Da Dhaba");

break;

case 2:

strcpy(place,"Bercos");

break;

case 3:

strcpy(place,"Andhra Bhawan");

break;

}

cout<<"\n\nWoohoo! You just got flat 20% off coupon for lunch at "<<place<<endl;

}

void hotel\_scheme()

{

cout<<"\nChoose from our schemes\n\n";

int r;

cout<<"Press 1 for Bed And Breakfast\n";

cout<<"Press 2 for Bed,Breakfast and Lunch or Dinner\n";

cout<<"Press 3 for Bed and All meals\n";

cin>>r;

switch(r)

{

case 1:

cout<<"\nThis offer includes:\nBreakfast (select menu available)\n2 piece laundry per day\n";

cout<<"2 bottles water/person/night\n 500 Bonus points!\n\n";

if(p==1)

{

cout<<"Thanks for choosing\n";

cout<<"The cost for 1 night stay is 7000 Rupees\n";

}

if(p==2)

{

cout<<"Thanks for choosing\n";

cout<<"The cost for 1 night stay is 8000 Rupees\n";

}

if(p==3)

{

cout<<"Thanks for choosing\n";

cout<<"The cost for 1 night stay is 9000 Rupees\n";

}

break;

case 2:

cout<<"\nThis offer includes:Breakfast (select menu available)Lunch or dinner (select menu available)\n\n";

cout<<"2 piece laundry per day\n2 bottles water/person/night,1000 Bonus points\n";

if(p==1)

{

cout<<"Thanks for choosing\n";

cout<<"The cost for 1 night stay is 8500 Rupees\n";

}

if(p==2)

{

cout<<"Thanks for choosing\n";

cout<<"The cost for 1 night stay is 9000 Rupees\n";

}

if(p==3)

{

cout<<"\nThanks for choosing\n";

cout<<"The cost for 1 night stay is 9500 Rupees\n";

}

break;

case 3:

cout<<"\nThis offer includes:Breakfast (select menu available)Lunch (select menu available) Bonus points=";

cout<<"1500\n";

cout<<"\n2 piece laundry per day\n2 bottles water/person/night\n";

cout<<"Dinner (select menu available)";

if(p==1)

{

cout<<"Thank you for booking\n";

cout<<"The cost for 1 night stay is 10,000 Rupees\n";

}

if(p==2)

{

cout<<"Thank you for booking!\n";

cout<<"The cost for 1 night stay is 11,000 Rupees\n";

}

if(p==3)

{

cout<<"Thank you for booking!\n";

cout<<"The cost for 1 night stay is 12,000 Rupees\n";

}

break;

}

}