**PROJECT BASED LAB REPORT**

**On**

**TOURISM INFORMATION SYSTEM**

**Submitted in partial fulfilment of the**

**Requirements for the award of the Degree of**

**Bachelor of Technology**

**in**

**ELECTRONICS AND COMMUNICATION ENGINEERING**

**By**

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**2016-2017**

**K L University**

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**



***CERTIFICATE***

This is to certify that this project based lab report entitled **“TOURISM INFORMATION SYSTEM”** is a bonafide work done ROHINI PANDIRI 2100031934 in partial fulfilment of the requirements for the award of degree in **BACHELOR OF TECHNOLOGY** in **ELECTRONICS AND COMMUNICATION ENGINEERING**  during the Academic year 2016-2017.

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**Project guide**

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**K L University**

**DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING**



***DECLARATION***

We hereby declare that this project based lab report titled **“TOURISM INFORMATION SYSTEM”** has been prepared by us in partial fulfilment of the requirements for the award of degree “**BACHELOR OF TECHNOLOGY in ELECTRONICS AND COMMUNICATION ENGNEERING**” during the Academic year 2016-2017.

We also declare that this project based lab report is of our own efforts and it has not been submitted to any other university for the award of any degree.

**ROHINI PANDIRI**

**2100031934**

**ACKNOWLEDGEMENT**

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**ROHINI PANDIRI**

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**ABSTRACT:**

The Tourism Information System is a web based application and maintains a centralized repository of all related information.  The objective of this project is to develop a system that automates the processes and activities of a travel agency. The purpose is to design a system using which one can perform all operations related to traveling and sight-seeing. In the present system a customer has to approach various agencies to find details of places and to book tickets. This often requires a lot of time and effort. A customer may not get the desired information from these offices and often the customer may be misguided. It is tedious for a customer to plan a particular journey and have it executed properly.

This application consists of following modules:

1. Cities module
2. Tour Information module
3. Hotels module

**INTRODUCTION**

The tourism information system, which consists of the tourism information centres, offers well organised, customer friendly and high quality tourism information to both internal tourists and foreign visitors. The tourism information system includes **diversified information about different tourism opportunities** and it will allow people to plan their holidays in the most convenient way.

As for entrepreneurs, the tourism information system will contribute to the export development of tourism services and improving their international competitiveness. In addition, the tourism information system will help collect information for various surveys, market and customer analysis, marketing activities at the destination and product development. The collection, organisation and distribution of tourism information is organised by the Tourism Development Centre in co-operation with local governments and regional and area tourism organisations.

The concept of tourism refers to the broad framework that identifies tourism’s essential characteristics and distinguishes tourism from similar, often related but different phenomena. The two terms ‘travel’ and ‘tourism’ can be used in isolation or together to describe three concepts:

* The movement of the people.
* A sector of the economy or an industry.
* A brad system of interacting relationships of people, their needs to travel outside their communities and services that attempt to respond to these needs by supplying products.

The World Tourism Organisation (WTO) cited these definitions of tourism:

* **International Tourism:** Consists of inbound tourism, visits to a country by non-residents, and outbound tourism, residents of a country visiting another country.
* **Internal Tourism:** Residents of a country visiting their own country.
* **Domestic Tourism:** Internal tourism plus inbound tourism (the tourism market of accommodation facilities and attractions within a country).
* **National Tourism:** Internal tourism plus outbound tourism (the resident tourism market for travel agents and airlines).

According to the WTO, tourists are people who: “travel to and stay in places outside their usual environment for not more than one consecutive year for leisure, business and other purposes not related to the exercise of an activity remunerated from within the place visited.” Before people can experience tourism they usually need at least:

1. Disposable income, i.e. money to spend on non-essentials.
2. Leisure time.
3. Tourism infrastructure, such as transport and accommodation.
4. Other factors such as health and motivation to travel are also important.

As a service industry, tourism has numerous tangible and intangible elements. Major tangible elements include transportation, accommodation, and other components of the hospitality industry. Major intangible elements relate to the purpose or motivation for becoming a tourist, such as rest, relaxation, the opportunity to meet new people and experience other cultures, or simply to do something different and have an adventure.

**DESCRIPTION:**

The project is done based on java programming. This is through object oriented programing. This gives some necessary information about the tourism information system that is meant for providing information of various places to travel round the world and the amount necessary for the travel including hotel bill, places to travel, sites to visit and cost of the trip, contact details etc. It facilitates to display this information for the benefit and use of tourists.

The manual distribution and display of tourism information is very difficult. In a day there may be some hundreds or thousands of tourists used to travel to many places. So there might be many requirements .The time required to visit many places for this information will be more and the tourists must travel to many agencies to get this information. The tourism information system will display the number of facilities like the travels you require, cost per head, place you wanted to visit, cost of the stay, hotel bill, sites to visit in that particular place etc. By this we can maintain a record of the facilities and also reduce the time for the tourists to know more about tourism.

**FUNCTIONAL REQUIREMENTS**

**Purpose:**  
The purpose of doing this project is to provide all the requirements for the Tourism Information System. The user can search easily anything regarding the tourist places he want to here and there .This will make his time manageable and there will no waste of time in goingout.  

|  |  |  |  |
| --- | --- | --- | --- |
| 1 |  | TOURISM information |  |
|  |  | To search for the place the user need to go | Here we will be creating the list of details of place showing Name of tour, places to visit, hotels etc. |
|  |  | Displays all cost details of the tour | This is used to display the details of the tour and the total cost for each member. |
|  |  | Duration of stay | This is used to display the duration of the stay when tourist gives a particular number of members to stay. |
|  |  | To generate details | Here in generating reports we will be able to display all the details of all the tourist places with details in the form of files. |
| 2 |  | Main Module |  |
|  |  | To display System | After all modules were integrated through files we display the complete information. |
|  |  | To process menu | Here **Processing Menu** can be done through if else statements with all the modules that are present in the file. |
|  |  | Initializations | Here **Initializations** can be done to methods, variables as well as objects which are present in classes |
|  |  | To access | To provide easy access we informed everything to user which will able to access his details. We can be able to read the file and record of that file, and write that file where he can be able to do modifications for files that are present. |

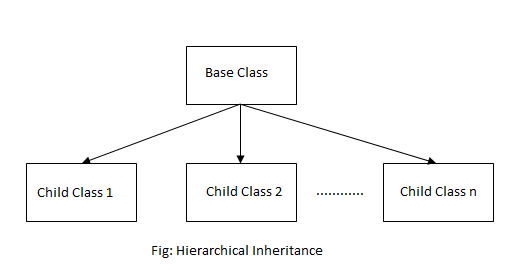
**NON-FUNCTIONAL REQUIREMENTS**

**Inheritance:**

* Inheritance can be defined as the process where one class acquires the properties (methods and fields) of another.
* The idea behind inheritance in java is that you can create new classes that are built upon existing classes.
* With the use of inheritance the information is made manageable in a hierarchical order.
* The class which inherits the properties of other is known as subclass (derived class, child class) and the class whose properties are inherited is known as super class (base class, parent class).
* **extends** is the keyword used to inherit the properties of a class. Following is the syntax of extends keyword.

**Syntax**

* class Super {
* .....
* .....
* }
* class Sub extends Super {
* .....
* .....
* }

****

# File Input Output:

Java provides strong and flexible support for Input Output as it relates to files and networks. Java programs perform Input Output through stream, an abstraction that either produces or consumes information. We can apply same I/O classes and methods to any type of device because all streams behave in the same manner. Java defines two types of streams byte streams and character streams.

**Byte streams:**

To handle input and output of bytes we have byte streams. To read and Write binary data we will use byte streams.

**Character streams:**

To handle input and output of characters we have character streams. They use Unicode and therefore can be internationalized. In some cases character streams are more efficient than byte streams.

**Try and catch:**

**Try:**

Java try block is used to enclose the code that might throw an exception. It must be used within the method. Java try block must be followed by either catch or finally block.

**Catch:**

Java catch block is used to handle the Exception. It must be used after the try block only. we can use multiple catch block with a single try.

**Syntax of java try-catch:**

try{

//code that may throw exception

}catch(Exception\_class\_Name ref){}

**Exceptional handling:**

An exception (or exceptional event) is a problem that arises during the execution of a program. When an Exception occurs the normal flow of the program is disrupted and the program/Application terminates abnormally, which is not recommended, therefore, these exceptions are to be handled.

**CODE:**

import java.util.\*;

import java.io.\*;

class Tour

{

String name;

String city;

long phonenumber;

int number\_persons;

void ttor(String s1,String s2,String s3,long ph,int num)

{

name=s1;

city=s2;

phonenumber=ph;

number\_persons=num;

}

}

class Goa extends Tour

{

int per\_head=22018;

void display1(int number\_persons)

{

int total=per\_head\*number\_persons;

System.out.println(" ================= SKY TRAVELS===================");

System.out.println(" Dhanush Enclave,lalacheruvu,Rajahmundry 533106 ");

System.out.println(" phone number :9999988888,8888899999 ");

System.out.println(" ");

System.out.println(" ");

System.out.println(" \*\*BILL\*\* ");

System.out.println(" ```````` ");

System.out.println("1.cost per head is :"+per\_head);

System.out.println("2.number of persons :"+number\_persons);

System.out.println("3.total cost including tax :" +(total+22));

System.out.println("4.Stay is about 4 days");

System.out.println(" ");

System.out.println(" \*\*Tour Information\*\* ");

System.out.println(" ````````````````` ");

System.out.println(" Star hotel average cost 3,266 per head ");

System.out.println(" Day 1:Basilica of Bom Jesus");

System.out.println(" Day 2:Dudhsagar Falls (boom-high waterfall on the Mandovi river)");

System.out.println(" Day 3:Fort Aguada (BEACH)");

System.out.println("your Bill is settled");

System.out.println("Thank you for visiting us");

}

}

class Mumbai extends Tour

{

int per\_head=25561;

void display2(int number\_persons)

{

int total=per\_head\*number\_persons;

System.out.println(" ");

System.out.println(" ================= SKY TRAVELS===================");

System.out.println(" Dhanush Enclave,lalacheruvu,Rajahmundry 533106 ");

System.out.println(" phone number :9999988888,8888899999 ");

System.out.println(" ");

System.out.println(" ");

System.out.println(" \*\*BILL\*\* ");

System.out.println(" ```````` ");

System.out.println("1.cost per head is :"+per\_head );

System.out.println("2.number of persons :"+number\_persons );

System.out.println("3.total cost including tax :" +(total+22 ) );

System.out.println("4.Stay is about four days ");

System.out.println(" ");

System.out.println(" \*\*Tour Information\*\* ");

System.out.println(" ````````````````` ");

System.out.println(" Star hotel average cost 4,223 per head ");

System.out.println("Day 1: Gateway of India");

System.out.println("Day 2:Chhatrapati Shivaji terminus railway");

System.out.println("Day 3:Haji Ali Dargah");

System.out.println("Day 4:Elephanta Caves");

System.out.println("your Bill is settled");

System.out.println("Thank you for visiting us");

}

}

class Bengaluru extends Tour

{

int per\_head=25000;

void display3(int number\_persons)

{

int total=per\_head\*number\_persons;

System.out.println(" ================= SKY TRAVELS===================");

System.out.println(" Dhanush Enclave,lalacheruvu,Rajahmundry 533106 ");

System.out.println(" phone number :9999988888,8888899999 ");

System.out.println(" ");

System.out.println(" ");

System.out.println(" \*\*BILL\*\* ");

System.out.println(" ```````` ");

System.out.println("1.cost per head is :"+per\_head);

System.out.println("2.number of persons :"+number\_persons);

System.out.println("3.total cost including tax :" +(total+22));

System.out.println("4.Stay is about four days");

System.out.println(" ");

System.out.println(" \*\*Tour Information\*\* ");

System.out.println(" ````````````````` ");

System.out.println(" Star hotel average cost 2,807 per head ");

System.out.println("Day-1 Lal Bagh (Landscaped gardens & famous glasshouse)");

System.out.println("Day-2 Cubbon park");

System.out.println("Day-3 Bannerghatta National Park");

System.out.println("Day-4 ISKON Temple ");

System.out.println("your Bill is settled");

System.out.println("Thank you for visiting us");

}

}

class Chennai extends Tour

{

int per\_head=14808;

void display4(int number\_persons)

{

int total=per\_head\*number\_persons;

System.out.println(" ================= SKY TRAVELS===================");

System.out.println(" Dhanush Enclave,lalacheruvu,Rajahmundry 533106 ");

System.out.println(" phone number :9999988888,8888899999 ");

System.out.println(" ");

System.out.println(" ");

System.out.println(" \*\*BILL\*\* ");

System.out.println(" ```````` ");

System.out.println("1.cost per head is :"+per\_head);

System.out.println("2.number of persons :"+number\_persons);

System.out.println("3.total cost including tax :" +(total+22));

System.out.println("4.Stay is about four days");

System.out.println(" ");

System.out.println(" \*\*Tour Information\*\* ");

System.out.println(" ````````````````` ");

System.out.println(" Star hotel average cost 2,510 per head ");

System.out.println("Marina Beach");

System.out.println("Kapaleeshwara Temple (temple of Shiva built in Dravidian style)");

System.out.println("Fort St.George,India");

System.out.println("St.Thomas Cathedral Basilica,Chennai");

System.out.println("Parthasarathy Temple, Triplicane");

System.out.println("your Bill is settled");

System.out.println("Thank you for visiting us");

}

}

class Jaipur extends Tour

{

int per\_head=16401;

void display5(int number\_persons)

{

int total=per\_head\*number\_persons;

System.out.println(" ================= SKY TRAVELS===================");

System.out.println(" Dhanush Enclave,lalacheruvu,Rajahmundry 533106 ");

System.out.println(" phone number :9999988888,8888899999 ");

System.out.println(" ");

System.out.println(" ");

System.out.println(" \*\*BILL\*\* ");

System.out.println(" ```````` ");

System.out.println("1.cost per head is :"+per\_head);

System.out.println("2.number of persons :"+number\_persons);

System.out.println("3.total cost including tax :" +(total+22));

System.out.println("4.Stay is about four days");

System.out.println(" ");

System.out.println(" \*\*Tour Information\*\* ");

System.out.println(" ````````````````` ");

System.out.println(" Star hotel average cost 1744 per head ");

System.out.println("Day-1 City Palace,Jaipur (Lavish 1700s palace complex & museum)");

System.out.println("Day-2 Hawa Mahal");

System.out.println("Day-3 Amer Fort (16th- century hilltop fort & palace)");

System.out.println("Day-4 Jantar Mantar, Jaipur");

System.out.println("your Bill is settled");

System.out.println("Thank you for visiting us");

}

}

class Agra extends Tour

{

int per\_head=15772;

void display6(int number\_persons)

{

int total=per\_head\*number\_persons;

System.out.println(" ================= SKY TRAVELS===================");

System.out.println(" Dhanush Enclave,lalacheruvu,Rajahmundry 533106 ");

System.out.println(" phone number :9999988888,8888899999 ");

System.out.println(" ");

System.out.println(" ");

System.out.println(" \*\*BILL\*\* ");

System.out.println(" ```````` ");

System.out.println("1.cost per head is :"+per\_head);

System.out.println("2.number of persons :"+number\_persons);

System.out.println("3.total cost including tax :" +(total+22));

System.out.println("4.Stay is about four days");

System.out.println(" ");

System.out.println(" \*\*Tour Information\*\* ");

System.out.println(" ````````````````` ");

System.out.println(" Star hotel average cost 1,586 per head ");

System.out.println("Day-1 Taj Mahal (Iconic domed Mughal mausoleum)");

System.out.println("Day-2 Tomb of l'timad-ud-Daulah");

System.out.println("Day-3 Mehtab Bagh(Mughal-ere gardens with famed Taj view)");

System.out.println("Day-4 Jama Mosque,Agra (Large 1600s mosque built by Shah Jahan)");

System.out.println("your Bill is settled");

System.out.println("Thank you for visiting us");

}

}

class Hyderabad extends Tour

{

int per\_head=18000;

void display7(int number\_persons)

{

int total=per\_head\*number\_persons;

System.out.println(" ================= SKY TRAVELS===================");

System.out.println(" Dhanush Enclave,lalacheruvu,Rajahmundry 533106 ");

System.out.println(" phone number :9999988888,8888899999 ");

System.out.println(" ");

System.out.println(" ");

System.out.println(" \*\*BILL\*\* ");

System.out.println(" ```````` ");

System.out.println("1.cost per head is :"+per\_head);

System.out.println("2.number of persons :"+number\_persons);

System.out.println("3.total cost including tax :" +(total+22));

System.out.println("4.Stay is about four days");

System.out.println(" ");

System.out.println(" \*\*Tour Information\*\* ");

System.out.println(" ````````````````` ");

System.out.println(" Star hotel average cost 2,315 per head ");

System.out.println("Day-1 Golkonda");

System.out.println("Day-2 Charminar");

System.out.println("Day-3 Hussain Sagar");

System.out.println("Day-4 Salar Jung Meseum");

System.out.println("your Bill is settled");

System.out.println("Thank you for visiting us");

}

}

class Ooty extends Tour

{

int per\_head=17636;

void display8(int number\_persons)

{

int total=per\_head\*number\_persons;

System.out.println(" ================= SKY TRAVELS===================");

System.out.println(" Dhanush Enclave,lalacheruvu,Rajahmundry 533106 ");

System.out.println(" phone number :9999988888,8888899999 ");

System.out.println(" ");

System.out.println(" ");

System.out.println(" \*\*BILL\*\* ");

System.out.println(" ```````` ");

System.out.println("1.cost per head is :"+per\_head);

System.out.println("2.number of persons :"+number\_persons);

System.out.println("3.total cost including tax :" +(total+22));

System.out.println("4.Stay is about four days");

System.out.println(" ");

System.out.println(" \*\*Tour Information\*\* ");

System.out.println(" ````````````````` ");

System.out.println(" Star hotel average cost 3,220 per head ");

System.out.println("Day-1 Ooty Lake");

System.out.println("Day-2 Doddabetta (Mountain)");

System.out.println("Day-3 Government Rose Gardens,Ooty");

System.out.println("Day-4 Government Botanical Gardens Ooty");

System.out.println("your Bill is settled");

System.out.println("Thank you for visiting us");

}

}

class Shimla extends Tour

{

int per\_head=24000;

void display9(int number\_persons)

{

int total=per\_head\*number\_persons;

System.out.println(" ================= SKY TRAVELS===================");

System.out.println(" Dhanush Enclave,lalacheruvu,Rajahmundry 533106 ");

System.out.println(" phone number :9999988888,8888899999 ");

System.out.println(" ");

System.out.println(" ");

System.out.println(" \*\*BILL\*\* ");

System.out.println(" ```````` ");

System.out.println("1.cost per head is :"+per\_head);

System.out.println("2.number of persons :"+number\_persons);

System.out.println("3.total cost including tax :" +(total+22));

System.out.println("4.Stay is about four days");

System.out.println(" ");

System.out.println(" \*\*Tour Information\*\* ");

System.out.println(" ````````````````` ");

System.out.println(" Star hotel average cost 4,264 per head ");

System.out.println("Day-1 Jakhoo (Architecture)");

System.out.println("Day-2 Rashtrapati Niwas(Palace,botanical garden)");

System.out.println("Day-3 The Ridge,Shimla");

System.out.println("Day-4 Christ Church(Church,history,and architecture)");

System.out.println("your Bill is settled");

System.out.println("Thank you for visiting us");

}

}

class Manali extends Tour

{

int per\_head=28000;

void display10(int number\_persons)

{

int total=per\_head\*number\_persons;

System.out.println(" ================= SKY TRAVELS===================");

System.out.println(" Dhanush Enclave,lalacheruvu,Rajahmundry 533106 ");

System.out.println(" phone number :9999988888,8888899999 ");

System.out.println(" ");

System.out.println(" ");

System.out.println(" \*\*BILL\*\* ");

System.out.println(" ```````` ");

System.out.println("1.cost per head is :"+per\_head);

System.out.println("2.number of persons :"+number\_persons);

System.out.println("3.total cost including tax :" +(total+22));

System.out.println("4.Stay is about four days");

System.out.println(" ");

System.out.println(" \*\*Tour Information\*\* ");

System.out.println(" ````````````````` ");

System.out.println(" Star hotel average cost 2,311 per head ");

System.out.println("Day-1 Hidimba Bevi Temple");

System.out.println("Day-2 Solang Valley (Paragliding,skiing,adventture,and camping)");

System.out.println("Day-3 Rohtang Pass(paragliding,glacier,and adventure)");

System.out.println("Day-4 Bhrigu Lake");

System.out.println("your Bill is settled");

System.out.println("Thank you for visiting us");

}

}

public class Oops

{

public static void main(String[]args)throws Exception

{

Long password;

String a;

long userid;

Scanner sc=new Scanner(System.in);

System.out.println("WELCOME TO SKY TRAVELS");

System.out.println("login with your account");

System.out.println("user id :");

userid=sc.nextLong();

System.out.println("password :");

password=sc.nextLong();

if(password==416544)

{

String s1;

String s2;

String s3;

long ph;

int num;

int choise;

Tour t1=new Tour();

System.out.println("Enter your details");

System.out.println("Enter your first name :");

s1=sc.next();

System.out.println("Enter last name");

s3=sc.next();

System.out.println("Enter your city name :");

s2=sc.next();

System.out.println("Enter your phone number :");

ph=sc.nextLong();

System.out.println("Enter number of persons :");

num=sc.nextInt();

t1.ttor("s1","s2","s3",ph,num);

Goa d1=new Goa();

Mumbai d2=new Mumbai();

Bengaluru d3=new Bengaluru();

Chennai d4=new Chennai();

Jaipur d5=new Jaipur();

Agra d6=new Agra();

Hyderabad d7=new Hyderabad();

Ooty d8=new Ooty();

Shimla d9=new Shimla();

Manali d10=new Manali();

do

{

System.out.println(" choose tourist place given below");

System.out.println("1.Goa");

System.out.println("2.Mumbai");

System.out.println("3.Bengaluru");

System.out.println("4.Chennai");

System.out.println("5.Jaipur");

System.out.println("6.Agra");

System.out.println("7.Hyderabad");

System.out.println("8.Ooty");

System.out.println("9.Shimla");

System.out.println("10.Manali");

System.out.println("Enter your choise");

System.out.println("Enter zero exit");

choise=sc.nextInt();

if(choise==1)

{

d1.display1(num);

}

else if(choise==2)

{

d2.display2(num);

}

else if(choise==3)

{

d3.display3(num);

}

else if(choise==4)

{

d4.display4(num);

}

else if(choise==5)

{

d5.display5(num);

}

else if(choise==6)

{

d6.display6(num);

}

else if(choise==7)

{

d7.display7(num);

}

else if(choise==8)

{

d8.display8(num);

}

else if(choise==9)

{

d9.display9(num);

}

else if(choise==10)

{

d10.display10(num);

}

}

while(choise!=0);

File fil=new File("Final.txt");

BufferedWriter output=new BufferedWriter(new FileWriter("Final.txt",true));

output.write("\n");

output.write("First name"+" "+s1+";");

output.write("Last name"+" " +s3+";");

output.write("city"+" " +s2+";");

output.write("phone number"+" " +ph+";");

output.write("number of persons"+" " +num+";");

output.write("\n");

output.newLine();

output.close();

}

else

{

System.out.println("Invalid password");

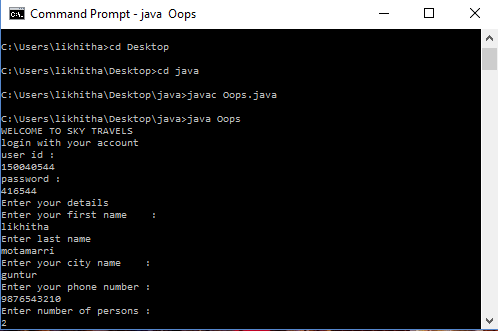
}

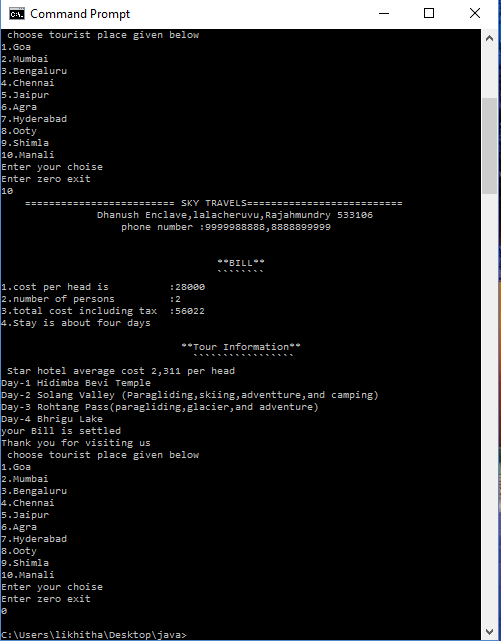
}

}

**OUTPUT:**

**SCREEN SHOTS:**

****

****