**INFORMATICS PRACTICES**

**PROJECT**

** **

***Fly The New Feeling***

**EFFORTS BY-**

**MIHIKA SAXENA - XII-C**

**NEHA PRADEEP MENON - XII-C**

**MAITREYI BHARDWAJ - XII-C**

**DELHI PUBLIC SCHOOL**

**NERUL , NAVI MUMBAI**

**Certificate**

**Session 2020-2021**

**This is to certify that Neha Pradeep Menon**

**of Class XII , Board Roll Number 15608186**

**has satisfactorily completed the Informatics Practices Project (Subject code – 065) on**

**Topic Air ticket booking system**

**in partial fulfillment of the class 12th curriculum of AISSCE-2021 of the CBSE.**

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**Internal Examiner External Examiner Principal sign School Seal**

**ACKNOWLEDGEMENT**

I hereby thank the school and the staff of the computer department for all the guidance and support extended to me during the course of this project.

My special thanks are due to the Principal for providing us with a right platform and environment to complete the project.

My sincere thanks to Ms. Madhurima Kashyap, our Informatics Practices teacher for her able guidance, unflinching support and the affectionate touch without which this project would not have been a success.

Finally, I thank all those who have directly or indirectly contributed to the success of this project.

Name: Neha Pradeep Menon

Board Roll No: 15608186

**HARDWARE REQUIREMENT:**

Monitor, CPU, Keyboard, Mouse, CD

**SOFTWARE REQUIREMENT :**

Python, MySQL

**PYTHON**

What is Python?

Python is a popular programming language. It was created by Guido van Rossum, and released in 1991.

It is used for:

* web development,
* software development,
* mathematics,
* system scripting

What can Python be used for?

* Python can connect to database systems. It can also read and modify files.
* Python can be used to handle big data and perform complex mathematics.
* Python can be used on a server to create web applications.
* Python can be used alongside software to create workflows.

Why Python?

* Python has a simple syntax similar to the English language.
* Python has syntax that allows developers to write programs with fewer lines than some other programming languages.
* Python runs on an interpreter system, meaning that code can be executed as soon as it is written.
* Python can be treated in a procedural way, an object-orientated way or a functional way.
* Python helps you to curtail software development cost significantly.
* You even have option to choose from a wide range of open source Python frameworks and development tools according to your precise needs. For eg. web frameworks like Django, Flask, Pyramid, Bottle and Cherrypy.

**MySQL**

What is MySQL?

MySQL is an Oracle-backed open source relational database management system ([RDBMS](https://searchdatamanagement.techtarget.com/definition/RDBMS-relational-database-management-system)) based on Structured Query Language ([SQL](https://searchsqlserver.techtarget.com/definition/SQL)). Today, MySQL is the RDBMS behind many of the top websites in the world and countless corporate and consumer-facing web-based applications, including Facebook, Twitter and YouTube.

MySQL statements can instruct the server to perform certain operations:

* Data query: requesting specific information from the existing database.
* Data manipulation: adding, deleting, changing, sorting, and other operations to modify the data, the values or the visuals.
* Data identity: defining data types, e.g. changing numerical data to integers. This also includes defining a schema or the relationship of each table in the database
* Data access control: providing security techniques to protect data, this includes deciding who can view or use any information stored in the database.

Why MySQL?

* Flexible and easy to use.
* High performance: Whether you are storing massive amounts of big e-Commerce data, MySQL can assist you smoothly with optimum speed.
* Industries have been using MySQL for years which means that there are abundant resources for skilled developers.
* With its Access Privilege System and User Account Management, MySQL sets the security bar high.

**SYNOPSIS OF THE PROJECT**

VISTARA

The project is named ‘Vistara’ and focuses on providing the customer with a user-friendly system to book tickets for domestic flights. The aim of the project is to create something that is useful.

Our program enables the user to book tickets for domestic flights. The user can choose from the various options available in the flight schedule. In our project, we have provided a wide array of options in every category to choose from at the lowest prices. The user can book tickets, update, check flight routes etc. With our program you can tailor your trip from end-to-end by searching suitable flights and making your flight booking easier.

This project has been made by integrating MySQL with Python by importing MySQL database. Data is being retrieved from SQL and displayed to the user through Python and data is being collected from user through Python and stored in SQL

**Aims And Objectives**

**\*** To generate necessary reports like flight route and displaying air ticket.

\* To provide user with all respective flights.

\* To increase security and safety of data as every customer has their own login.

\* To get validated data through constraints implemented MySQL tables.

\* To provide user with customer care.

\* To give discount based on purchase.

\* To search a specific item.

\* To restrict invalid data entered.

\* To avoid data duplicity.

\* To filter data based on given conditions.

**Advantages Of The Project**

1. **24x7 Availability**
2. **Flights**- *User has many options to choose from.*
3. **View by category**
4. **Interactive –** *The instructions and displays are interactive.*
5. **About Us -** *Viewers can get to know our program and its efficiency.*

6**. Baggage Detail-** *Provides user with details about baggage restrictions*

7**. Update**- *User is provided with options to update the ticket*

8**. Customer Care-** *Helps the user in reporting a query.*

9**. Cancellation-** *User can cancel ticket.*

10**. Flight Route-** *Provides the user the route with the help of plotting.*

11**. Ticket-** *Ticket is generated after every complete submission.*

12**. Efficient-** *Gives information in easy to comprehend and precise manner.*

13**. Cheaper-** *Cheaper rates.*

14**. Very wide range of options to choose from.**

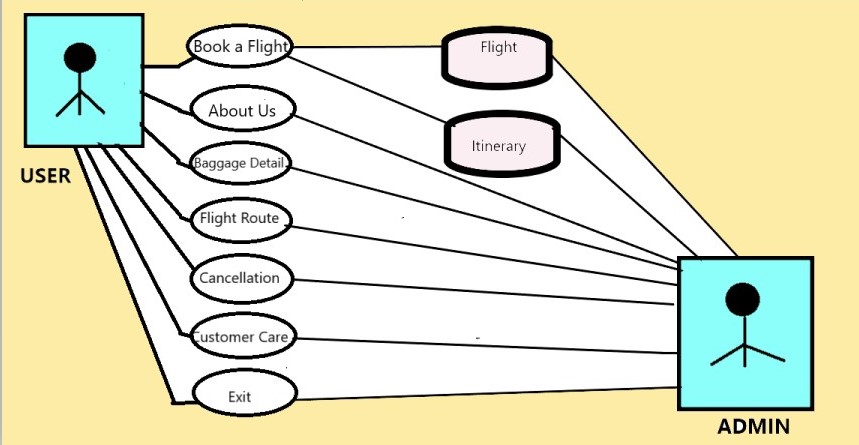
15**. Easy to maintain**

16**. Easy to upgrade**

17**. Easily to edit**

18**. Flexible –** *It’s easy to use.*

**THE BUSINESS CASE DIAGRAM**



**Table**

create table Flights

(Sno int(11) primary key,

Origin varchar(30),

Destination varchar(30),

Departure\_time varchar(10),

Arrival\_time varchar(10),

Price int(11),

Flight\_no varchar(20));

insert into Flights

values(1,“Mumbai”,"Delhi","8:00 am","10:20 am",2440,"AI 0946"),

(2,“Mumbai”,"Delhi","2:10 pm","4:20 pm",2403,"AI 0744"),

(3,“Mumbai”,"Delhi","7:20 pm","9:35 pm",2500,"AI 0746"),

(4,“Mumbai”,"Delhi","9:30 pm","11:40 pm",2440,"9I 0605"),

(5,“Mumbai”,"Kolkata","4:50 am","7:45 am",3745,"9I 0501"),

(6,“Mumbai”,"Kolkata","6:10 pm","9:05 pm",3745,"AI 0834"),

(7,“Mumbai”,"Chennai","5:55 am","8:10 am",3116,"AI 0978"),

(8,“Mumbai”,"Chennai","10:45 am","12:45 am",3200,"AI 0239"),

(9,“Mumbai”,"Chennai","5:30 pm","7:30 pm",3120,"9I 0866"),

(10,“Mumbai”,"Ahmedabad","6:00 pm","7:15 pm",2005,"G5 0978"),

(11,“Mumbai”,"Ahmedabad","9:00 pm","10:15 pm",2005,"G5 0459"),

(12,“Mumbai”,"Bangalore","5:10 pm","6:55 pm",2500,"G5 0944"),

(13,“Mumbai”,"Bangalore","7:00 pm","8:45 pm",3469,"G5 0021"),

(14,“Mumbai”,"Hyderabad","2:20 am","3:55 am",2943,"H4 6554"),

(15,“Mumbai”,"Hyderabad","10:15 am","11:45 am",2275,"H4 7657"),

(16,“Mumbai”,"Goa","3:35 pm","5:05 pm",2943,"AI 4435"),

(17,“Mumbai”,"Goa","4:05 pm","5:35 pm",2943,"AI 7342"),

(18,“Mumbai”,"Jaipur","4:50 am","6:55 am",2402,"9I 2450"),

(19,“Mumbai”,"Jaipur","6:05 pm","7:45 pm",2500,"9I 6755"),

(20,“Mumbai”,"Thiruvananthapuram","2:20 pm","4:40 pm",3995,"G5 0851"),

(21,“Mumbai”,“Ahmedabad”,”10:30 pm”,“11:45 pm”,2005,“AI 6373”),

(22,“Mumbai”,”Jammu”,”9:45 am”,”11:20 am”,4299,”B2 4527”),

(23,“Mumbai”,”Jammu”,”10:20 am”,”1:30 pm”,4299,”B2 7622”),

(24,“Mumbai”,”Chandigarh”,”11:50 am”,”2:10 pm”,3529,”G5 3637”),

(25,“Mumbai”,”Chandigrah”,”8:00 pm”,”11:35 pm”,3529,”AI 7382”),

(26,“Mumbai”,”Amritsar”,”10:25 am”,”1:05 pm”,4166,”G5 2621”),

(27,“Mumbai”,“Amritsar”,”11:25 am”,”1:50 pm”,4383,”9I 2626”),

(28,“Delhi”,"Mumbai","7:00 am","9:20 am",2500,"AI 5556"),

(29,“Delhi”,"Mumbai","12:40 pm","3:00 pm",2433,"AI 0789"),

(30,“Delhi”,"Mumbai","6:00 pm","8:20 pm",2650,"AI 7809"),

(31,“Delhi”,"Mumbai","9:10 pm","11:30 pm",2450,"AI 6709"),

(32,“Delhi”,"Kolkata","5:45 am","7:50 am",3624,"DL 0987"),

(33,“Delhi”,"Kolkata","9:25 am","11:40 am",3624,"DL 0456"),

(34,“Delhi”,"Kolkata","1:30 pm","3:50 pm",3944,"DL 0789"),

(35,“Delhi”,"Chennai","1:25 pm","4:10 pm",3247,"AI 0098"),

(36,“Delhi”,"Chennai","6:25 pm","9:15 pm",3247,"AI 8023"),

(37,“Delhi”,"Ahmedabad","7:30 am","9:00",2200,"G5 0456"),

(38,“Delhi”,"Ahmedabad","4:45 pm","6:20 pm",2200,"G5 8890"),

(39,“Delhi”,"Ahmedabad","8:05 pm","9:45 pm",2200,"G5 7899"),

(40,“Delhi”,"Bangalore","6:20 am","9:05 am",4994,"AI 0512"),

(41,“Delhi”,"Bangalore","7:20 am","10:05 am",4994,"AI 0766"),

(42,“Delhi”,"Bangalore","7:50 pm","10:35 pm",4994,"AI 0883"),

(43,“Delhi”,"Bangalore","9:35 pm","12:20 am",4994,"G5 0445"),

(44,“Delhi”,"Hyderabad","7:30 am","9:40 am",3001,"DL 4325"),

(45,“Delhi”,"Hyderabad","2:45 pm","5:00 pm",3943,"G5 0067"),

(46,“Delhi”,"Hyderabad","8:55 pm","11:50 pm",3943,"DL 0966"),

(47,“Delhi”,"Goa","6:45 pm","9:30 pm",4994,"AI 0245"),

(48,“Delhi”,"Goa","8:20 pm","11:05 pm",4257,"9I 7782"),

(49,“Delhi”,"Jaipur","5:55 am","6:55 am",2442,"AI 9843"),

(50,“Delhi”,"Jaipur","2:10 pm","3:00 pm",2442,"G5 4039"),

(51,“Delhi”,"Jaipur","9:35 pm","10:30 pm",2368,"AI 4483"),

(52,“Delhi”,"Thiruvananthapuram","7:40 am","11:00 am",7094,"AI 3267"),

(53,“Delhi”, “Amritsar”,”5:15 pm”,”6:25 pm”,2199,”AI 5421”),

(54,“Delhi”,”Amritsar”,”1:40 pm”,”2:50 pm”,2211,”G5 5271”),

(55, “Delhi”, ”Chandigarh”,”7:00 am”,”8:00 am”,1000,”DL 2526”),

(56, “Delhi”, ”Chandigarh”,”6:00 pm”,”8:00 pm”,1000,”DL 4585”),

(57,”Delhi”, “Jammu”,”7:30 am”,”9:00 am”,2199,”DL 3526”),

(58,”Delhi”, “Jammu”,”8:30 pm”,”10:00 pm”,2199,”DL 3526”),

(59, “Kolkata”,"Mumbai","9:00 am","11:55 am",3645,"AI 4566"),

(60, “Kolkata”,"Mumbai","4:45 pm","7:40 pm",3645,"G5 0982"),

(61, “Kolkata”,"Mumbai","9:10 pm","12:05 am",3645,"9I 7382"),

(62, “Kolkata”,"Delhi","6:05 am","8:00 am",3524,"DL 0946"),

(63, “Kolkata”,"Delhi","9:00 am","11:05 am",3524,"DL 8456"),

(64, “Kolkata”,"Delhi","1:20 pm","3:25 pm",3524,"DL 6372"),

(65, “Kolkata”,"Delhi","7:00 pm","9:05 pm",3624,"DL 2458"),

(66, “Kolkata”,"Chennai","5:40 am","8:10 am",4015,"6E 0092"),

(67, “Kolkata”,"Chennai","3:10 pm","5:30 pm",4479,"AI 9372"),

(68, “Kolkata”,"Chennai","4:15 pm","6:30 pm",4614,"G5 4837"),

(69, “Kolkata”,"Chennai","9:10 pm","11:20 pm",4905,"DL 3260"),

(70, “Kolkata”,"Bangalore","3:20 pm","5:55 pm",3456,"AI 7726"),

(71, “Kolkata”,"Bangalore","6:55 pm","9:25 pm",3456,"G5 0382"),

(72, “Kolkata”,"Bangalore","10:50 pm","1:20 am",3456,"6E 7821"),

(73, “Kolkata”,"Ahmedabad","4:40 pm","7:25 pm",4413,"AI 5362"),

(74, “Kolkata”,"Ahmedabad","1:10 pm","3:40 pm",4000,"6E 8368"),

(75, “Kolkata”,"Hyderabad","4:40 pm","6:35 pm",3466,"AI 9372"),

(76, “Kolkata”,"Hyderabad","10:05 am","12:10 pm",3560,"G5 7382"),

(77, “Kolkata”,"Hyderabad","5:45 pm","8:00 pm",3211,"G5 3002"),

(78, “Kolkata”, "Goa","11:25 am","2:30 pm",3500,"G5 2671"),

(79, “Kolkata”,"Jaipur","6:00 am","8:20 am",4230,"AI 2627"),

(80, “Kolkata”,"Jaipur","2:25 pm","4:55 pm",4132,"6E 7281"),

(81, “Kolkata”,"Jaipur","7:50 pm","10:10 pm",4156,"9I 3672"),

(82, “Kolkata”,"Thiruvananthapuram","5:40 pm","11:20 pm",6079,"6E 3893"),

(83, “Kolkata”,”Amritsar”,”4:00 am”,”6:50 am”,3536,”G5 3636”),

(84,”Kolkata”,”Amritsar”,”1:00 pm”,”3:50 pm”,3500,”9I 3677”),

(85, “Kolkata”,”Jammu”,”4:25 pm”,”9:25 pm”,4325,”6E 3732”),

(86, “Kolkata”, “Chandigarh”,”6:35 pm”,”10;45 pm”,3486,”G5 3773”),

(87, “Chennai”, "Mumbai","8:00 am","10:00 am",3200,"AI 5637"),

(88, “Chennai”, "Mumbai","12:25 pm","2:25 pm",3120,"G5 7387"),

(89, “Chennai”, "Mumbai","6:15 pm","8:15 pm",3225,"AI 6373"),

(90, “Chennai”, "Mumbai","9:00 pm","11:00 pm",3200,"G5 7281"),

(91, “Chennai”, "Delhi","6:25 am","9:15 am",3247,"AI 6376"),

(92, “Chennai”, "Delhi","2:00 pm","5:00 pm",3216,"G5 7736"),

(93, “Chennai”, "Bangalore","7:20 am","8:10 am",2358,"G5 7637"),

(94, “Chennai”, "Bangalore","6:00 pm","7:10 pm",2358,"G5 5651"),

(95, “Chennai”, "Bangalore","7:50 pm","9:00 pm",2358,"G5 6541"),

(96, “Chennai”, "Ahmedabad","4:05 am","6:20 am",3200,"AI 7663"),

(97, “Chennai”, "Ahmedabad","12:25 pm","3:05 pm",3214,"AI 6522"),

(98, “Chennai”, "Ahmedabad","4:10 pm","6:30 pm",3200,"AI 6362"),

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(101, “Chennai”, "Hyderabad","7:20 pm","8:40 pm",1500,"9I 5621"),

(102, “Chennai”, "Hyderabad","9:10 pm","10:35 pm",1500,"AI 7281"),

(103,“Chennai”,"Goa","7:10 am","8:40 am",1870,"6E 5431"),

(104, “Chennai”, "Goa","11:40 am","1:35 pm",2000,"6E 5433"),

(105, “Chennai”, "Goa","7:45 pm","9:30 pm",2098,"6E 0921"),

(106, “Chennai”, "Jaipur","1:05 pm","4:35 pm",3168,"G5 3552"),

(107, “Chennai”, "Jaipur","4:10 pm","8:30 pm",5036,"G5 6532"),

(108, “Chennai”, "Jaipur","10:50 pm","1:10 am",4984,"AI 6211"),

(109, “Chennai”, "Thiruvananthapuram","10:00 am","11:20 am",2884,"6E 4251"),

(110, “Chennai”, “Amritsar”,”6:35 pm”,”12:55 pm”,7030,”G5 2425”),

(111, “Chennai”,” Jammu”,”6:55 am”,”3:40 pm”,7487,”AI 2563”),

(112, “Chennai”, “Chandigarh”,”6:40 am”,”11:35 am”,4827,”G5 2662”),

(113, “Bangalore”, "Mumbai","7:00 am","8:45 am",3200,"AI 5261"),

(114, “Bangalore”, "Mumbai","2:00 pm","3:45 pm",3124,"9I 2561"),

(115, “Bangalore”, "Mumbai","5:00 pm","6:45 pm",3124,"6E 5362"),

(116, “Bangalore”, "Mumbai","8:00 pm","9:45 pm",3124,"6E 6327"),

(117, “Bangalore”, "Delhi","5:55 am","8:35 am",5114,"6E 2487"),

(118, “Bangalore”, "Delhi",”11:20 am","2:05 pm",5114,"AI 6271"),

(119, “Bangalore”, "Delhi","4:00 pm","6:40 pm",5114,"G5 6372"),

(120, “Bangalore”, "Delhi","6:05 pm","8:50 pm",5114,"AI 2712"),

(121, “Bangalore”, "Ahmedabad","9:40 am","11:45 am",2750,"6E 6382"),

(122, “Bangalore”, "Ahmedabad","5:25 pm","7:35 pm",2750,"AI 2781"),

(123, “Bangalore”, "Ahmedabad","6:05 pm","8:20 pm",2750,"9I 3782"),

(124, “Bangalore”, "Hyderabad","8:50 am","10:10 am",2209,"AI 6373"),

(125, “Bangalore”, "Hyderabad","7:25 pm","8:15 pm",1998,"G5 7282"),

(126, “Bangalore”, "Hyderabad","7:00 pm","8:05 pm",1998,"9I 5272"),

(127, “Bangalore”, "Goa","6:20 am","7:20 am",3014,"6E 5784"),

(128, “Bangalore”, "Goa","3:25 pm","4:35 pm",3014,"AI 2837"),

(129, “Bangalore”, "Goa","5:50 pm","6:55 pm",3014,"6E 7281"),

(130, “Bangalore”, "Jaipur","8:35 am","11:30 am",3420,"G5 3564"),

(131, “Bangalore”, "Jaipur","9:10 am","11:40 am",3356,"G5 6672"),

(132, “Bangalore”, "Jaipur","5:55 pm","8:30 pm",3356,"AI 7633"),

(133, “Bangalore”, "Jaipur","4:20 pm","6:50 pm",3356,"9I 5262"),

(134, “Bangalore”, "Thiruvananthapuram","8:55 am","10:15 am",2546,"G5 0456"),

(135, “Bangalore”, "Thiruvananthapuram","6:45 pm","8:00 pm",2546,"AI 2652"),

(136, “Bangalore”, "Chennai","6:00 am","7:10 am",2300,"AI 4675"),

(137, “Bangalore”, "Kolkata","6:55 am","9:25 am",3456,"AI 7564"),

(138, “Bangalore”, “Jammu”, “7:45 am”,”2:20 pm”,5319,”G5 3637”),

(139, “Bangalore”, “Jammu”, “7:45 am”,”3:30 pm”,5319,”6E 7383”),

(140, “Bangalore”, “Amritsar”, “9:50 am”,”12:55 pm”,5319,”G5 3637”),

(141, “Bangalore”, “Chandigarh”, “7:45 am”,”2:20 pm”,5319,”G5 3637”),

(142, “Thiruvananthapuram”, "Mumbai","7:00 am","9:20 pm",3995,"G6 1001"),

(143, “Thiruvananthapuram”, "Mumbai","5:30 pm","7:50 pm",3700,"G3 2998"),

(144, “Thiruvananthapuram”, "Mumbai","2:20 pm","4:40 pm",3800,"G4 8874"),

(145, “Thiruvananthapuram”, "Delhi","9:00 am","12:00 pm",4000,"A1 2000"),

(146, “Thiruvananthapuram”, "Delhi","1:30 pm","4:30 pm",3995,"A1 3476"),

(147, “Thiruvananthapuram”, "Delhi","7:45 pm","10:45 pm",3800,"A1 4555"),

(148, “Thiruvananthapuram”, "Kolkata","4:00 pm","9:00 pm",4000,"A1 7124"),

(149, “Thiruvananthapuram”, "Kolkata","3:15 pm","8:15 pm",3500,"A1 4432"),

(150, “Thiruvananthapuram”, "Chennai","5:00 am","6:20 pm",2500,"A1 5667"),

(151, “Thiruvananthapuram”, "Chennai","12:30 pm”,"1:40 pm",2700,"A1 8790"),

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(153, “Thiruvananthapuram”,”Chennai”,”9:30 pm”,”10:50 pm”,2120,”A1 5677”),

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(157, “Thiruvananthapuram”,”Bangalore”,”8:20 pm”,”9:40 pm”,2300,”A1 7664”),

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(159, “Thiruvananthapuram”, "Hyderabad","2:25 pm","4:15 pm",2675,"G2 7754"),

(160, “Thiruvananthapuram”, "Hyderabad","12:05 pm","1:55 pm", 2800,"G2 1135"),

(161, “Thiruvananthapuram”, "Hyderabad",”7:00 pm","8:50 pm",2965,"G3 1277"),

(162, “Thiruvananthapuram”,”Jaipur”,”11:00 am”,”6:00 pm”,3875,”B3 6544”),

(163, “Thiruvananthapuram”,”Goa”,”3:00 pm”,”6:00 pm”,3655,”A1 3400”),

(164,”Thiruvananthapuram”,”Chandigarh”,”6:30 am”,”12:30 pm”,3995,”F3 4882”),

(165,”Thiruvananthapuram”,”Amritsar”,”1:05 pm”,”7:00 pm”,3875,”F4 2873”),

(166,”Thiruvananthapuram”,”Jammu”,”12:00 am”,”4:50 pm”,3995,”F3 7654”),

(167,”Goa”,"Mumbai","11:30 am","12:50 pm",2400,"A1 2222"),

(168,”Goa”,"Mumbai","3:50 pm","5:10 pm",2500,"A2 8744"),

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(170,”Goa”,"Mumbai","10:25 pm","11:45 pm",2395,"A2 5117"),

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(173,”Goa”,"Delhi","2:30 pm","5:05 pm",3200,"G2 3341"),

(174,”Goa”,"Delhi","4:40 pm","7:15 pm",3105,"G2 8888"),

(175,”Goa”,"Kolkata","8:15 am","12:15 pm",3870,"D3 3229"),

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(183,”Goa”,"Bangalore","7:55 pm","9:35 pm",2760,"G6 5144"),

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(192,”Goa”,”Amritsar”,”1:00 pm”,”4:00 am”,3889,”K3 8849”),

(193,”Goa”,”Jammu”,”6:00 pm”,”2:50 am”,3755,”K4 3382”),

(194,”Jaipur”,"Mumbai","7:30 am","9:20 am",2965,"C1 4557"),

(195,”Jaipur”,"Mumbai","12:10 pm","2:00 pm",2800,"C1 2344"),

(196,”Jaipur”,"Mumbai","5:15 pm",”7:05 pm",2890,"C1 7850"),

(197,”Jaipur”,”Delhi”,”8:10 am”,”9:15 am”,2400,”A1 7668”),

(198,”Jaipur”,”Delhi”,”11:50 am”,”12:55 pm”,2800,”A1 3422”),

(199,”Jaipur”,”Delhi”,”2:45 pm”,”3:50 pm”,2850,”A1 7171”),

(200,”Jaipur”,”Delhi”,”5:15 pm”,”6:20 pm”,2995,”A1 6742”),

(201,”Jaipur”,”Delhi”,”9:20 pm”,”10:25 pm”,2500,”A1 2398”),

(202,”Jaipur”,”Kolkata”,”10:30 am”,”12:55 pm”,3105,”D1 9000”),

(203,”Jaipur”,”Kolkata”,”1:35 pm”,”4:00 pm”,3350,”D1 5994”),

(204,”Jaipur”,”Kolkata”,”7:15 pm”,”9:40 pm”,3200,”D1 8145”),

(205,”Jaipur”,”Chennai”,”11:00 am”, “1:25 pm”,3950,”G8 4003”),

(206,”Jaipur”,”Bangalore”,”10:00 am”,”12:35 pm”,3450,”J1 7178”),

(207,”Jaipur”,”Bangalore”,”1:30 pm”,”4:05 pm”,3525,”J1 4553”),

(208,”Jaipur”,”Bangalore”,”6:10 pm”,”8:45 pm”,3525,”J1 3421”),

(209,”Jaipur”,”Ahmedabad”,”9:30 am”,”10:50 pm”,2750,”B1 3391”),

(210,”Jaipur”,”Ahmedabad”,”3:20 pm”,”4:40 pm”,2890,”B1 4589”),

(211,”Jaipur”,”Ahmedabad”,”6:05 pm”,”7:25 pm”,2985,”B1 7884”),

(212,”Jaipur”,”Ahmedabad”,”10:30 pm”,”11:50 pm”,2500,”B1 2960”),

(213,”Jaipur”,”Hyderabad”,”1:10 pm”,”3:10 pm”,3100,”G8 9933”),

(214,”Jaipur”,”Hyderabad”,”8:30 pm”,”10:30 pm”,3005,”G8 3979”),

(215,”Jaipur”,”Goa”,”5:30 pm”,”8:50 pm”,3205,”G7 7783”),

(216,”Jaipur”,”Thiruvanathapuram”,”1:10 pm”,”8:10 pm”,3805,”D3 9902”),

(217,”Jaipur”,”Chandigarh”,”10:30 am”,”7:30 pm”,3775,”F6 5543”),

(218,”Jaipur”,”Amritsar”,”1:15 pm”,”2:00 pm”,3455,”F3 7746”),

(219,”Jaipur”,”Jammu”,”2:05 pm”,”7:40 pm”,3485,”F3 7099”),

(220,”Hyderabad”,”Mumbai”,”6:50 am”,”8:20 am”,2565,”G9 3994”),

(221,”Hyderabad”,”Mumbai”,”12:30 pm”,”2:00 pm”,2800,”G9 4554”),

(222,”Hyderabad”,”Mumbai”,”3:15 pm”,”4:45 pm”,2975,”G9 1089”),

(223,”Hyderabad”,”Delhi”,”9:15 am”,”11:35 am”,2975,”B1 6178”),

(224,”Hyderabad”,”Delhi”,”5:20 pm”,”6:40 pm”,2845,”B1 8932”),

(225,”Hyderabad”,”Chennai”,”7:15 am”,”8:30 am”,2535,”M1 2234”),

(226,”Hyderabad”,”Chennai”,”10:30 am”,”11;45 am”,2405,”M1 2399”),

(227,”Hyderabad”,”Chennai”,”12:45 pm”,”2:00 pm”,2820,”M1 9884”),

(228,”Hyderabad”,”Chennai”,”4:35 pm”,”5:50 pm”,2750,”M1 1889”),

(229,”Hyderabad”,”Chennai”,”7:30 pm”,”8:45 pm”,2380,”M1 8940”),

(230,”Hyderabad”,”Bangalore”,”6:15 am”,”8:00 am”,2100,”K1 8894”),

(231,”Hyderabad”,”Bangalore”,”11:20 am”,”12:35 pm”,2325,”K1 3394”),

(232,”Hyderabad”,”Bangalore”,”2:30 pm”,”3:45 pm”,2560,”K1 3002”),

(233,”Hyderabad”,”Bangalore”,”6:50 pm”,”8:05 pm”,2550,”K1 5994”),

(234,”Hyderabad”,”Bangalore”,”9:30 pm”,”10:45 pm”,2550,”K1 7843”),

(235,”Hyderabad”,”Ahmedabad”,”10:15 am”,”12:05 pm”,2780,”A1 8879”),

(236,”Hyderabad”,”Ahmedabad”,”1:35 pm”,”3:25 pm”, 2785,”A1 5778”),

(237,”Hyderabad”,”Ahmedabad”,”4:00 pm”,”5:50 pm”,2885,”A1 6856”),

(238,”Hyderabad”,”Jaipur”,”7:55 am”,”9:55 am”,3205,”G4 1200”),

(239,”Hyderabad”,”Jaipur”,”11:25 am”,”1:25 pm”,3200,”G4 5399”),

(240,”Hyderabad”,”Goa”,”12:30 pm”,”2:00 pm”,2965,”A1 7777”),

(241,”Hyderabad”,”Thiruvanathapuram”,”5:20 pm”,”7:10 pm”,2400,”G1 1304”),

(242,”Hyderabad”,”Thiruvanathapuram”,”6:00 pm”,”7:50 pm”,2500,”G1 3899”),

(243,”Hyderabad”,”Chandigarh”,”1:10 pm”,”5:10 pm”,2745,”F1 2833”),

(244,”Hyderabad”,”Amritsar”,”3:25 pm”,”7:50 pm”,2995,”F2 5741”),

(245,”Hyderabad”,”Jammu”,”2:15 pm”,”4:15 pm”,3200,”F2 3914”),

(246,”Ahmedabad”,”Mumbai”,”8:30 am”,”9:50 am”,2500,”H2 3894”),

(247,”Ahmedabad”,”Mumbai”,”12:40 pm”,”2:00 pm”,2750,”H2 4899”),

(248,”Ahmedabad”,”Mumbai”,”3:00 pm”,”4:20 pm”,2540,”H2 5977”),

(249,”Ahmedabad”,”Mumbai”,”6:15 pm”,”7:35 pm”,2650,”H2 2393”),

(250,”Ahmedabad”,”Delhi”,”7:30 am”,”9:10 am”,2990,”D2 3093”),

(251,”Ahmedabad”,”Delhi”,”10:00 am”,”11:40 am”,2875,”D2 8845”),

(252,”Ahmedabad”,”Delhi”,”3:20 pm”,”5:00 pm”,2540,”D2 6647”),

(253,”Ahmedabad”,”Kolkata”,”11:00 am”,”1:40 pm”,3105,”A1 2003”),

(254,”Ahmedabad”,”Kolkata”,”1:20 pm”,”4:00 pm”,3200,”A1 3112”),

(255,”Ahmedabad”,”Kolkata”,” 7:00 pm”,”8:40 pm”,3115,”A1 1309”),

(256,”Ahmedabad”,”Kolkata”,”9:10 pm”,”11:50 pm”,3000,”A1 9930”),

(257,”Ahmedabad”,”Chennai”,”9:00 am”,”11:25 am”,2540,”A2 8839”),

(258,”Ahmedabad”,”Chennai”,”1:20 pm”,”3:45 pm”,2655,”A2 3409”),

(259,”Ahmedabad”,”Chennai”,”5:00 pm”,”7:25 pm”,2870,”A2 5555”),

(260,”Ahmedabad”,”Bangalore”,”12:15 pm”,”2:35 pm”,2750,”A2 3922”),

(261,”Ahmedabad”,”Bangalore”,”4:30 pm”,”6:50 pm”,2800,”A2 1149”),

(262,”Ahmedabad”,”Bangalore”,”7:20 pm”,”9:40 pm”, 2330,”A2 5488”),

(263,”Ahmedabad”,”Bangalore”,”9:00 pm”,”11:20 pm”,2855,”A2 4435”),

(264,”Ahmedabad”,”Hyderabad”,”8:00 am”,”10:00 am”,2755,”B2 8893”),

(265,”Ahmedabad”,”Hyderabad”,”11:05 am”,”1:05 pm”,3100,”B2 7745”),

(266,”Ahmedabad”,”Hyderabad”,”3:10 pm”,”5:10 pm”,2990,”B2 8002”),

(267,”Ahmedabad”,”Jaipur”,”12:05 pm”,”1:25 pm”,2780,”D3 8743”),

(268,”Ahmedabad”,”Jaipur”,”3:30 pm”,”4:50 pm”,2880,”D3 4995”),

(269,”Ahmedabad”,”Goa”,”2:00 pm”,”3:50 pm”,2850,”G3 2344”),

(270,”Ahmedabad”,”Thiruvanathapuram”,”1:00 pm”,”7:00 pm”,3400,”A1 1989”),

(271,”Ahmedabad”,”Chandigarh”,”3:10 pm”,”5:00 pm”,3960,”F7 1285”),

(272,”Ahmedabad”,”Amritsar”,”11:00 am”,”3:15 pm”,2570,”F3 2902”),

(273,”Ahmedabad”,”Jammu”,”11:30 pm”,”3:40 pm”,3000,”F4 8473”),

(274,”Chandigarh”,"Mumbai","8:00 am","10:25 pm",3800,"G8 1002"),

(275,”Chandigarh”,"Mumbai","6:30 pm","8:55 pm",3650,"G8 2997"),

(276,”Chandigarh”,"Mumbai","2:21 pm","4:46pm",3900,"G8 8876"),

(277,”Chandigarh”,"Delhi","9:00 am","10:05 pm",3900,"A7 2003"),

(278,”Chandigarh”,"Delhi","1:30 pm","4:30 pm",3995,"A7 3400"),

(279,”Chandigarh”,"Delhi","8:45 pm","9:50 pm",3700,"A7 4567"),

(280,”Chandigarh”,"Kolkata","4:00 pm","8:10 pm",4100,"A2 7178"),

(281,”Chandigarh”,"Kolkata","3:15 pm","7:25pm",3600,"A2 4436"),

(282,”Chandigarh”,"Chennai","5:00 am","9:50pm",3500,"A1 5668"),

(283,”Chandigarh”,"Chennai","12:30 pm”,"5:30 pm",3700,"A1 8780"),

(284,”Chandigarh”,"Chennai","5:20 pm","10:10pm",4300,"A1 3449"),

(285,”Chandigarh”,”Chennai”,”9:30 pm”,”2:20 pm”,3120,”A1 5679”),

(286,”Chandigarh”,"Bangalore","10:00 am","1:00 am",3900,"A4 2289"),

(287,”Chandigarh”,"Bangalore","1:05 pm","3:05 pm",2870,"A4 1167"),

(288,”Chandigarh”,"Bangalore","6:15 pm","9:15 pm",2560,"A4 3668"),

(289,”Chandigarh”,”Bangalore”,”8:20 pm”,”11:20 pm”,2400,”A1 7669”),

(290,”Chandigarh”,"Ahmedabad",”2:10 pm","4:00 pm",3960,"B2 2356"),

(291,”Chandigarh”,"Hyderabad","2:25 pm","6:25 pm",2660,"G3 7750"),

(292,”Chandigarh”,"Hyderabad","12:05 pm","4:05 pm", 2800,"G3 1190"),

(293,”Chandigarh”,"Hyderabad",”7:00 pm","11:00 pm",2965,"G3 1280"),

(294,”Chandigarh”,”Jaipur”,”11:00 am”,”8:00 pm”,3870,”B7 6550”),

(295,”Chandigarh”,”Goa”,”4:00 pm”,”9:00 pm”,3650,”A6 3500”),

(296,”Chandigarh”,”Goa”,”4:00 pm”,”9:00 pm”,3650,”A6 3500”),

(297,”Chandigarh”,”Thiruvananthapuram”,”4:00 pm”,”10:00 pm”,3750,”A9 4000”),

(298,”Chandigarh”,”Amritsar ”,”5:00pm”,”10:10pm”,3800,”M3 4000”),

(299,“Amritsar”, "Mumbai","12:00 am","2:05 pm",2500,"A8 2227"),

(300,“Amritsar”, "Mumbai","3:50 pm","5:55pm",2700,"A8 2287"),

(301,“Amritsar”, "Mumbai","7:10 pm","9:15 pm",2990,"A8 1230"),

(302,“Amritsar”, "Mumbai","10:25 pm","12:30 pm",2390,"A8 5110"),

(303,“Amritsar”, "Delhi","8:00 am","9:10am",3200,"G3 7170"),

(304,“Amritsar”, "Delhi","12:00 am","1:10pm",3500,"G3 3450"),

(305,“Amritsar”, "Delhi","3:30 pm","4:40 pm",3300,"G3 3350"),

(306,“Amritsar”, "Delhi","5:40 pm","6:50pm",3100,"G3 8889"),

(307,“Amritsar”, "Kolkata","8:00am","12:10pm",3900,"D2 3230"),

(308,“Amritsar”, "Kolkata","6:00 pm","10:10pm",3500,"D2 7340"),

(309,“Amritsar”, "Chennai","7:00 am","11:50 am",3500,"G6 4550"),

(310,“Amritsar”, "Chennai","11:00 am",”3:10 pm",2540,"G6 6120"),

(311,“Amritsar”, "Chennai","2:00 pm","6:50pm",2600,"G6 9987"),

(312,“Amritsar”, "Bangalore","9:10 am","2:05 am",2800,"G3 4300"),

(313,“Amritsar”, "Bangalore","12:10 pm","5:10 pm",2900,"G3 7100"),

(314,“Amritsar”, "Ahmedabad","10:00 am","2:15 pm",2570,"D3 1100"),

(315,“Amritsar”, "Ahmedabad","3:30 pm"," 7:45 pm",2430,"D3 6500"),

(316,“Amritsar”,"Ahmedabad","8:05 pm","12:20 am",2980 ,"D3 5100"),

(317,“Amritsar”, "Hyderabad","7:35 am","12:00 pm",2310,"A1 3300"),

(318,“Amritsar”, "Hyderabad","2:25 pm","6:50 pm",2110,"A1 2100"),

(319,“Amritsar”, "Jaipur","12:15 pm","1:00 pm",3700,"G1 3400"),

(320,“Amritsar”,"Thiruvananthapuram","10:00 am","3:55 pm",3990,"B9 3300"),

(321, “Amritsar”, "Goa","12:10 pm","3:00 am ",2900,"C2 2350"),

(322, “Amritsar”, "Chandigarh ","12:00 am","5:20 pm ",2300,"C3 2355"),

(323, “Jammu”, "Mumbai","7:30 am","12:5 pm",2900,"C3 4500"),

(324, “Jammu”, "Mumbai","12:00 pm","4:35pm",2800,"C3 2300"),

(325, “Jammu”, "Mumbai","5:00 pm",”9:35pm",2900,"C3 7800"),

(326, “Jammu”,”Delhi”,”8:00 am”,”9:35 am”,2500,”A9 7601”),

(327, “Jammu”,”Delhi”,”11:00am”,”12:35 pm”,2300,”A9 3498”),

(328, “Jammu”,”Delhi”,”2:00pm”,”3:35 pm”,2900,”A9 7168”),

(329, “Jammu”,”Delhi”,”5:10 pm”,”6:45 pm”,2980,”A9 6770”),

(330, “Jammu”,”Delhi”,”9:20 pm”,”10:55 pm”,3500,”A9 2300”),

(331, “Jammu”,”Kolkata”,”11:30 am”,”5:30 pm”,3100,”D2 9087”),

(332, “Jammu”,”Kolkata”,”1:35 pm”,”7:35 pm”,3380,”D2 5923”),

(333, “Jammu”,”Kolkata”,”7:00 pm”,”1:00am”,3250,”D2 8171”),

(334, “Jammu”,”Chennai”,”11:00 am”, “5:05 pm”,3900,”G1 4020”),

(335, “Jammu”,”Bangalore”,”10:00 am”,”3:50 pm”,3500,”J3 7194”),

(336, “Jammu”,”Bangalore”,”1:00 pm”,”6:50 pm”,3520,”J3 4523”),

(337, “Jammu”,”Bangalore”,”6:00 pm”,”11:50 pm”,3550,”J3 3467”),

(338, “Jammu”,”Ahmedabad”,”9:10 am”,”1:20 pm”,2755,”B2 3390”),

(339, “Jammu”,”Ahmedabad”,”3:00 pm”,”7:10 pm”,2900,”B2 4500”),

(340, “Jammu”,”Ahmedabad”,”6:05 pm”,”10:15 pm”,2950,”B2 7800”),

(341, “Jammu”,”Ahmedabad”,”10:30 pm”,”2:40 pm”,2400,”B2 2900”),

(342, “Jammu”,”Hyderabad”,”1:10 pm”,”3:10 pm”,3200,”G2 9900”),

(343, “Jammu”,”Hyderabad”,”8:00 pm”,”12:20 pm”,3000,”G2 3900”),

(344, “Jammu”,”Goa”,”5:00pm”,”1:50 am”,3300,”G8 7700”),

(345, “Jammu”,”Thiruvanathapuram”,”1:00 pm”,”7:50 am”,3800,”D4 9900”),

(346,“Jammu”,”Jaipur”,”1:00 pm”,”6:35pm”,3900,”M3 9905”),

(347, “Jammu”, "Chandigarh ","1:00 pm","6:05 pm ",3300,"C3 2358"),

(348, “Jammu”,”Amritsar ”,”6:00pm”,”10:05pm”,3900,”M3 4007”);

create table passenger\_info  
(Sr int,  
Name varchar(40),  
Age int check(1<age<=117),  
Mail varchar(40),  
Phone\_no varchar(10),  
Gender varchar(1) check(Gender="F" or Gender="M" or Gender="T"),  
Class varchar(10),  
Meal varchar(10));

create table infant

(Sr int,

Name varchar(40),

Gender varchar(1) check(Gender="F" or Gender="M" or Gender="T"),

Meal varchar(10));

\*\*\*\*\*

Alter table Flights

Add column stop varchar(80);

Update Flights

Set stop= “1 stop at Bangalore”

Where Destination= “Thiruvananthapuram”;

Update flights

Set stop= “1 stop at Hyderabad”

Where Flight\_no= “G5 3552”;

Update Flights

Set stop= “1 stop at Ahmedabad”

Where Flight\_no= “G5 6532”;

Update Flights

Set stop= “1 stop at Lucknow”

Where Flight\_no= “6E 3732”;

Update Flights

Set stop= “1 stop at Lucknow”

Where Flight\_no= “G5 3773”;

Update Flights

Set stop= “1 stop at Bangalore”

Where Flight\_no= “G5 2425” and destination=”Amritsar”;

Update Flights

Set stop= “1 stop at Delhi”

Where Flight\_no= “AI 2563” and destination=”Jammu”;

Update Flights

Set stop= “1 stop at Mumbai”

Where Flight\_no= “G5 2662” and destination=”Chandigarh”;

Update Flights

Set stop= “1 stop at New Delhi”

Where Flight\_no= “G5 3637” and destination=”Jammu”;

Update Flights

Set stop= “1 stop at Delhi”

Where Flight\_no= “6E 7383” and destination=”Jammu”;

**INPUT:**  
#%%

import matplotlib.pyplot as plt

import mysql.connector

import pandas as pd

from datetime import date

con=None

mycursor=None

date1="Null"

classd={1:"Business",2:"Premium",3:"Economy"}

meald={1:"Included", 2:"Not included"}

l=["Mumbai","Delhi","Goa","Thiruvananthapuram","Chennai","Jaipur","Bangalore","Kolkata","Ahmedabad","Hyderabad", "Jammu","Amritsar", "Chandigarh"]

airportlist={"Hyderabad":"Rajiv Gandhi International Airport","Amritsar":"Sri Guru Ram Dass Jee International Airport","Delhi":"Indira Gandhi International Airport","Ahmedabad":"Sardar Vallabhbhai Patel International Airport","Bangalore":"Kempegowda International Airport","Thiruvananthapuram":"Trivandrum International Airport","Mumbai":"Chhatrapati Shivaji International Airport","Jaipur":"Jaipur International Airport","Chennai":"Chennai International Airport","Kolkata":"Netaji Subhash Chandra Bose International Airport","Chandigarh":"Chandigarh International Airport","Jammu":"Satwari Airport","Goa":"Dabolim Airport"}

listd=pd.DataFrame(l,index=[1,2,3,4,5,6,7,8,9,10,11,12,13],columns=["Places"])

print("Welcome to Vistara Airlines")

print("Fly the new Feeling")

try:

def connect():

global con, mycursor, date1

con=mysql.connector.connect(host="localhost", user="root", password="neha")

mycursor=con.cursor()

mycursor.execute("use airticket;")

def findday():

print("date format:dd mm yyyy")

date1=input("Please enter the date you want to fly on:")

print("\n")

today=date.today()

t=str(today)

if date1[3:5]>=t[5:7] and date1[-4:]=="2021":

print("Flights are available.")

elif date1[3:5]==t[5:7] and date1[-4:]=="2021":

if date1[:2]>=t[8:]:

print("Flights are available.")

else:

print("Flights for the entered date are unavailable.")

return date1

def Book\_a\_flight():

date1=findday()

df=pd.read\_sql("Select \* from Flights;",con)

df.set\_index('Sno',inplace=True)

print('-'\*40)

print("Places flights are available from:\n",listd)

print('-'\*40)

p=int(input("Please enter the number of the place you want to fly from:")) # p refers to the location user wants to fly from

if l[p-1] in l:

print('-'\*40)

print("List of places flights are available for:")

print('-'\*40)

print(listd)

print("Please note that the flights will be available for the given list at the moment.")

d=int(input("Please enter the number for the prefered detination:")) #d is the destination of the user

if l[d-1] in l:

if l[d-1]!=l[p-1]:

pass

else:

print("Invalid Input")

d=0

while d==0:

d=int(input("Please enter your destination again:"))

if l[d-1] in l:

if l[d-1]!=p:

pass

else:

d=0

else:

print("Flights for the entered destination are not available at the moment.")

r=df[(df['Origin']==l[p-1]) & (df['Destination']==l[d-1])] # r is the dataframe for the selected destination and origin by the user

print("Flights available from",l[p-1], "to",l[d-1], ":\n",r)

print("\n")

print("Please enter the Sno for the option you prefer.")

ans='y'

str="insert into passenger\_info values(%s,%s,%s,%s,%s,%s,%s,%s)"

b=int(input("Please select your choice:")) #b is for entering the number of the place one prefers

while ans=='y' or ans=='yes' or ans=='Y' or ans=='Yes':

print('-'\*60)

print("Details for the passengers(who are of age greater than 1)")

print('-'\*60)

Name=input("Please enter the full name of the passenger:")

Age=int(input("Please enter the age of the passenger:"))

if 1<=Age<=117:

pass

else:

Age=0

while Age==0:

Age=int(input("Please enter the age again:"))

if 1<=Age<=117:

pass

else:

Age=0

Mail=input("Please enter your mail id:")

Phone\_no=input("Please enter your current phone number:")

if len(Phone\_no)==10:

pass

else:

Phone\_no=0

while Phone\_no==0:

Phone\_no=input("Please enter the phone number again:")

if len(Phone\_no)==10:

pass

else:

Phone\_no=0

print('-'\*100)

print("\nPlease take a look at the following format to enter the gender: {Male=m/M, Female=f/F, Transgender=T/t}")

print('-'\*100)

Gender=input("Please enter the gender of the passenger:")

if Gender=="F" or Gender=="M" or Gender=="T" or Gender=="f" or Gender=="t" or Gender=="m":

pass

else:

Gender=0

while Gender==0:

Gender=input("Please enter the gender of the passenger again:")

if Gender=="F" or Gender=="M" or Gender=="T" or Gender=="f" or Gender=="t" or Gender=="m":

pass

else:

Gender=0

print('-'\*40)

print("1.Business Class (Additional Rs. 1500 charges)")

print('-'\*40)

print("2.Premium Class (Additional Rs. 1000 charges)")

print('-'\*40)

print("3.Economy Class")

print('-'\*40)

m=int(input("Please enter the option you prefer:")) # m refers to the option entered for the class prefered

print('-'\*40)

print("1.With meal (Additional Rs. 200)")

print('-'\*40)

print("2.Without meal")

print('-'\*40)

o=int(input("Please enter the option you prefer:")) #o refers to the option entered for meal taken or not

data=(b,Name,Age,Mail,Phone\_no,Gender,m,o)

mycursor.execute(str, data)

con.commit()

df2=pd.DataFrame({"Name":Name,"Age":Age,"Mail":Mail,"Phone no":Phone\_no,"Gender":Gender}, index=["-"]) # temporary dataframe to store the present user's data and print

print("-"\*40)

print("Your details \n")

print("-"\*40)

print("Please check the details you have entered")

print("-"\*40)

print(df2)

print("\n")

print("Please answer in yes or no")

i=input("Do you want to make any changes to your personal details?")

if i=='y' or i=='yes' or i=='Y' or i=='Yes':

print("-"\*40)

print("1.Name")

print("-"\*40)

print("2.Age")

print("-"\*40)

print("3.Mail Id")

print("-"\*40)

print("4.Phone number")

print("-"\*40)

print("5.Gender")

print("-"\*40)

print("Please select the number you want to make change into")

k=int(input("Enter the number:"))

if k==1:

Name=input("Please enter the correct name:")

df2.at['-','Name']=Name

elif k==2:

Age=input("Please enter the correct age:")

df2.at['-','Age']=Age

elif k==3:

Mail\_Id=input("Please enter the correct Mail Id:")

df2.at['-','Mail']=Mail\_Id

elif k==4:

Phone=input("Please enter the correct phone number:")

df2.at['-','Phone no']=Phone

elif k==5:

Gender=input("Please enter the gender again:")

df2.at['-','Gender']=Gender

else:

pass

# df3=pd.DataFrame({"Name":Name,"Age":Age,"Mail":Mail\_Id,"Phone no":Phone,"Gender":Gender}, index=["-"])

print("-"\*80)

print("\t\t\t\t Vistara Airlines")

print("-"\*80)

print("Your Ticket", "\t\t\t\t\t\tPNR NO.VS 90332")

print("-"\*80)

print("Date of flight:",date1)

print("-"\*80)

print("Flight No. From To")

print("-"\*80)

print(r.loc[b,"Flight\_no"]," ",r.loc[b,"Origin"]," ", r.loc[b,"Destination"])

print("\n")

print(airportlist[r.loc[b,"Origin"]],"\t\t",airportlist[r.loc[b,"Destination"]])

print("\n\n")

print("-"\*80)

print("Departure time Arrival time")

print("-"\*80)

print(r.loc[b,"Departure\_time"],"\t\t\t\t\t",r.loc[b,"Arrival\_time"])

print("\n\n")

print("Name:",df2.loc["-","Name"])

print("Class:",classd[m])

print("Meal:",meald[o])

print("\n\n\n\n\n")

print("Please check in two hours prior departure.")

print("Please drop off your baggage 90 minutes prior departure.")

print("Counter closure 45 minutes prior departure.")

print("Boarding gate closure 20 minutes prior departure.")

print("Please note that the timings given above are limits and")

print("it is the passenger's responsibility to respect them.")

print("We recommend passengers to cross check these limits in advance")

print("as they are subject to change and allow sufficient time especially")

print("during busier times at the airport.")

print("-"\*80)

print("\n Please answer in yes or no")

ans=input("Do you want to enter for more adult passengers?")

print("\n Please answer in yes or no")

g=input("Are there any infants travelling with you?")

while g=='y' or g=='Yes'or g=='y' or g=='yes':

str1="insert into infant values(%s,%s,%s,%s)"

print("\n Details of infants travelling")

Ename=input("Please enter the full name of the infant travelling:")

Egender=input("Please enter the gender of the infant:")

print("Would you like to add a special meal for the child travelling?")

print('-'\*40)

print("1.With meal (Additional Rs. 200)")

print('-'\*40)

print("2.Without meal")

print('-'\*40)

print("Please enter the number of the option you prefer.")

z=int(input("Please enter your reponse:")) #z refers to the variable to enter the meal option for the infant

data=(b,Ename, Egender,z)

mycursor.execute(str1, data)

con.commit()

df4=pd.DataFrame({"Name":Ename,"Gender":Egender}, index=["-"]) # temporary dataframe to store the present infant's data and print

print("-"\*40)

print("Your details \n")

print("-"\*40)

print("Please check the details you have entered")

print("-"\*40)

print(df4)

print("Please answer in yes or no")

i=input("Do you want to make any changes to the infant's details?")

if i=='y' or i=='yes' or i=='Y' or i=='Yes':

print("-"\*40)

print("1.Name")

print("-"\*40)

print("2.Gender")

print("-"\*40)

print("Please select the number you want to make change into")

k=int(input("Enter the number:"))

if k==1:

Name=input("Please enter the new name:")

elif k==2:

Gender=input("Please enter the gender again:")

else:

pass

df5=pd.DataFrame({"Name":Ename,"Gender":Egender}, index=["-"])

#x1=str(random.random())

print("-"\*80)

print("\t\t\t\t Vistara Airlines")

print("-"\*80)

print("Your Ticket", "\t\t\t\t\t\tPNR NO.VS 44392")

print("-"\*80)

print("Date of flight:",date1)

print("-"\*80)

print("Flight No. From To")

print("-"\*80)

print(r.loc[b,"Flight\_no"]," ",r.loc[b,"Origin"]," ", r.loc[b,"Destination"])

print("\n")

print(airportlist[r.loc[b,"Origin"]],"\t\t",airportlist[r.loc[b,"Destination"]])

print("\n\n")

print("-"\*80)

print("Departure time Arrival time")

print("-"\*80)

print(r.loc[b,"Departure\_time"],"\t\t\t\t\t",r.loc[b,"Arrival\_time"])

print("\n\n")

print("Name:",df5.loc["-","Name"])

print("Meal:",meald[z])

print("\n\n\n\n\n")

g=input("Do you want to enter for more infants?")

def Cancellation():

print("-"\*80)

print("Please note that making changes to your ticket will not be possible.")

print("Please note that you will have to pay a cancellation fee of Rupees 250")

print("-"\*80)

print("\nPlease reply in yes or no")

ans=input("Are you sure you want to proceed with the cancellation?")

if ans=="yes" or ans=="y" or ans=="Yes"or ans=="YES" or ans=="Y":

n=input("Enter the mail id of the passenger whose ticket is to be cancelled:")

str1="delete from passenger\_info where mail=%s;"

print("\n")

print("Succesfully cancelled the ticket!")

mycursor.execute(str1,(n,))

con.commit()

else:

print("Back to home")

def Flight\_Route():

t=input("Please Enter your flight number : ")

l=["Mumbai","Delhi","Goa","Thiruvananthapuram","Chennai","Jaipur","Bangalore","Kolkata","Ahmedabad","Hyderabad", "Jammu","Amritsar", "Chandigarh"]

listd=pd.DataFrame(l,index=[1,2,3,4,5,6,7,8,9,10,11,12,13],columns=["Places"])

import matplotlib.image as mpimg

img=mpimg.imread(r"C:\\Users\\cv\_pr\\Downloads\\india.jpg")

print(img)

imgplot=plt.imshow(img)

d={"11":124,"13":167,"12":136,"6":138,"9":99,"1":100,"3":120,"4":164,"7":184,"5":214,"10":200,"8":340,"2":169}

c={"11":100,"13":140,"12":124,"6":220,"9":288,"1":350,"3":420,"4":534,"7":464,"5":460,"10":380,"8":276,"2":188}

print("--------------FLIGHT ROUTE FOR",t,"----------------")

print("---PLEASE ENTER THE NUMBER FROM THE LIST FOR THE FOLLOWING---")

print(listd)

o=input("Where are you flying from ? ")

e=input("Please enter your destination : ")

if o in d and e in c:

pass

else:

print("Invalid Input")

o=0

e=0

while e==0 and o==0:

o=input("Where are you flying from ? ")

e=input("Please enter your destination :")

if o in d and e in c:

pass

else:

print("Invalid Input")

o=0

e=0

print("Please note the route that will be followed by",t)

x=[d[o],d[e]]

y=[c[o],c[e]]

plt.plot(x,y, marker='o',markerfacecolor='Orange',markeredgecolor="Red")

plt.axis('off')

plt.show()

def Baggage\_Detail():

print('-'\*50)

print("What should you carry while flying with us?")

print('-'\*50)

print("20 kg allowed per person.")

print("Only one hand bag allowed per person.")

print("The handbag should be of the size that it fits under the seat in front or in overhead compartments.")

print('-'\*40)

print("Prohibited items in Cabin Baggage:")

print('-'\*40)

print("""\t\t\t o Dry cell batteries

o Knives, scissors, Swiss army knives and other sharp instruments

o Toy replicas of fire arms and ammunition

o Weapons such as whips, nan-chakus, baton, or stun gun

o Electronic devices which cannot be switched off

o Aerosols and liquids\*

Any other items which are deemed security hazards by local law

\*Passengers can carry one clear transparent resealable litre sized plastic bag

containing small quantities of liquid items / gels / pastes/aerosols or items

of a similar consistency. Liquids / gels / aerosols include but are not limited

to beverages, shampoos, suntan lotions, creams, toothpastes, hair gels and hair sprays.

The contents will be subject to screening and security checks and must comply with

Vistara's security guidelines about permissible objects.""")

def About\_us():

print("""Your travel experience redefined with Vistara airlines

Explore the world with us, and experience a journey unlike any other on some of the most

comfortable and spacious aircrafts in the world.

Wherever your travels may take you with Vistara Airlines, you’ll be flying on one of the

most modern aircraft and fuel-efficient fleets in the skies.

We invite you to step onboard and luxuriate in our warm and impeccable service, and discover

a journey that’s every bit as delightful as the destination itself.

When everything is designed around you, flying becomes a personal experience.

The luxurious world of Suites offers you the ideal space for celebration, the privacy of

Business Class allows you to immerse yourself in work or leisure. Across every cabin class,

experience how intuitive service brings each encounter to life.

After all, what better place to let your imagination fly, than 30,000 feet above the ground?

Our awards:

Vistara's constant efforts to continuously improve on its products and service offerings

have been recognized by the industry through these various awards:

Five Star Major Regional Airline Award, Airline Passenger Experience Association (APEX) in 2019

A place in the TTG Travel Hall of Fame in 2010""")

def Customer\_care():

print("""CUSTOMER CARE Vistara Airlines

Should you need to reach out to the Customer Care team for any grievance redressal.

Email Us at: custrelations@vistara.com

Call Us at: +91 9289228888

Other Queries:

For any sales related query, please email us on the below email ID depending on your location:

East India : east.salessupport@vistara.com

West India : west.salessupport@vistara.com

North India : north.salessupport@vistara.com

South India : south.salessupport@vistara.com

For Media Enquiries, please email us at

media@vistara.com

For Job Enquiries, please email us at

jobenquiries@vistara.com """)

except Exception as e:

print(e)

connect()

while True:

print("\n Home \n")

print("1.Book a flight")

print('-'\*40)

print("2.About us")

print('-'\*40)

print("3.Baggage Detail")

print('-'\*40)

print("4.Flight\_Route")

print('-'\*40)

print("5.Cancellation")

print('-'\*40)

print("6.Customer Care")

print('-'\*40)

print("7.Exit")

print('-'\*40)

a=int(input("Please enter the option:"))

if a==1:

Book\_a\_flight()

if a==2:

About\_us()

if a==3:

Baggage\_Detail()

if a==4:

Flight\_Route()

if a==5:

Cancellation()

if a==6:

Customer\_care()

if a==7:

print("Exiting")

break

else:

print("\n")

print("Please enter a valid number")

**OUTPUT:**

Welcome to Vistara Airlines

Fly the new Feeling

Home

1.Book a flight

----------------------------------------

2.About us

----------------------------------------

3.Baggage Detail

----------------------------------------

4.Flight\_Route

----------------------------------------

5.Cancellation

----------------------------------------

6.Customer Care

----------------------------------------

7.Exit

----------------------------------------

Please enter the option:1

date format:dd mm yyyy

Please enter the date you want to fly on:15 10 2021

Flights are available.

----------------------------------------

Places flights are available from:

Places

1 Mumbai

2 Delhi

3 Goa

4 Thiruvananthapuram

5 Chennai

6 Jaipur

7 Bangalore

8 Kolkata

9 Ahmedabad

10 Hyderabad

11 Jammu

12 Amritsar

13 Chandigarh

----------------------------------------

Please enter the number of the place you want to fly from:1

----------------------------------------

List of places flights are available for:

----------------------------------------

Places

1 Mumbai

2 Delhi

3 Goa

4 Thiruvananthapuram

5 Chennai

6 Jaipur

7 Bangalore

8 Kolkata

9 Ahmedabad

10 Hyderabad

11 Jammu

12 Amritsar

13 Chandigarh

Please note that the flights will be available for the given list at the moment.

Please enter the number for the prefered detination:7

Flights available from Mumbai to Bangalore :

Origin Destination Departure\_time Arrival\_time Price Flight\_no

Sno

12 Mumbai Bangalore 5:10 pm 6:55 pm 2500 G5 0944

13 Mumbai Bangalore 7:00 pm 8:45 pm 3469 G5 0021

Please enter the Sno for the option you prefer.

Please select your choice:13

------------------------------------------------------------

Details for the passengers(who are of age greater than 1)

------------------------------------------------------------

Please enter the full name of the passenger: Ashna Singh

Please enter the age of the passenger:32

Please enter your mail id:aashnasingh@yahoo.com

Please enter your current phone number:9618822334

----------------------------------------------------------------------------------------------------

Please take a look at the following format to enter the gender: {Male=m/M, Female=f/F, Transgender=T/t}

----------------------------------------------------------------------------------------------------

Please enter the gender of the passenger:F

----------------------------------------

1.Business Class (Additional Rs. 1500 charges)

----------------------------------------

2.Premium Class (Additional Rs. 1000 charges)

----------------------------------------

3.Economy Class

----------------------------------------

Please enter the option you prefer:1

----------------------------------------

1.With meal (Additional Rs. 200)

----------------------------------------

2.Without meal

----------------------------------------

Please enter the option you prefer:1

----------------------------------------

Your details

----------------------------------------

Please check the details you have entered

----------------------------------------

Name Age Mail Phone no Gender

- Ashna Singh 32 aashnasingh@yahoo.com 9618822334 F

Please answer in yes or no

Do you want to make any changes to your personal details?yes

----------------------------------------

1.Name

----------------------------------------

2.Age

----------------------------------------

3.Mail Id

----------------------------------------

4.Phone number

----------------------------------------

5.Gender

----------------------------------------

Please select the number you want to make change into

Enter the number:1

Please enter the correct name:Aashna Singh

--------------------------------------------------------------------------------

Vistara Airlines

--------------------------------------------------------------------------------

Your Ticket PNR NO.VS 90332

--------------------------------------------------------------------------------

Date of flight: 15 10 2021

--------------------------------------------------------------------------------

Flight No. From To

--------------------------------------------------------------------------------

G5 0021 Mumbai Bangalore

Chhatrapati Shivaji International Airport Kempegowda International Airport

--------------------------------------------------------------------------------

Departure time Arrival time

--------------------------------------------------------------------------------

7:00 pm 8:45 pm

Name: Aashna Singh

Class: Business

Meal: Included

Please check in two hours prior departure.

Please drop off your baggage 90 minutes prior departure.

Counter closure 45 minutes prior departure.

Boarding gate closure 20 minutes prior departure.

Please note that the timings given above are limits and

it is the passenger's responsibility to respect them.

We recommend passengers to cross check these limits in advance

as they are subject to change and allow sufficient time especially

during busier times at the airport.

--------------------------------------------------------------------------------

Please answer in yes or no

Do you want to enter for more adult passengers?no

Please answer in yes or no

Are there any infants travelling with you?yes

Details of infants travelling

Please enter the full name of the infant travelling:Devansh Singh

Please enter the gender of the infant:M

Would you like to add a special meal for the child travelling?

----------------------------------------

1.With meal (Additional Rs. 200)

----------------------------------------

2.Without meal

----------------------------------------

Please enter the number of the option you prefer.

Please enter your reponse:1

----------------------------------------

Your details

----------------------------------------

Please check the details you have entered

----------------------------------------

Name Gender

- Devansh Singh M

Please answer in yes or no

Do you want to make any changes to the infant's details?no

--------------------------------------------------------------------------------

Vistara Airlines

--------------------------------------------------------------------------------

Your Ticket PNR NO.VS 44392

--------------------------------------------------------------------------------

Date of flight: 15 10 2021

--------------------------------------------------------------------------------

Flight No. From To

--------------------------------------------------------------------------------

G5 0021 Mumbai Bangalore

Chhatrapati Shivaji International Airport Kempegowda International Airport

--------------------------------------------------------------------------------

Departure time Arrival time

--------------------------------------------------------------------------------

7:00 pm 8:45 pm

Name: Devansh Singh

Meal: Included

Do you want to enter for more infants?no

Please enter a valid number

Home

1.Book a flight

----------------------------------------

2.About us

----------------------------------------

3.Baggage Detail

----------------------------------------

4.Flight\_Route

----------------------------------------

5.Cancellation

----------------------------------------

6.Customer Care

----------------------------------------

7.Exit

----------------------------------------

Please enter the option:2

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Explore the world with us, and experience a journey unlike any other on some of the most

comfortable and spacious aircrafts in the world.

Wherever your travels may take you with Vistara Airlines, you’ll be flying on one of the

most modern aircraft and fuel-efficient fleets in the skies.

We invite you to step onboard and luxuriate in our warm and impeccable service, and discover

a journey that’s every bit as delightful as the destination itself.

When everything is designed around you, flying becomes a personal experience.

The luxurious world of Suites offers you the ideal space for celebration, the privacy of

Business Class allows you to immerse yourself in work or leisure. Across every cabin class,

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A place in the TTG Travel Hall of Fame in 2010

Please enter a valid number

Home

1.Book a flight

----------------------------------------

2.About us

----------------------------------------

3.Baggage Detail

----------------------------------------

4.Flight\_Route

----------------------------------------

5.Cancellation

----------------------------------------

6.Customer Care

----------------------------------------

7.Exit

----------------------------------------

Please enter the option:3

--------------------------------------------------

What should you carry while flying with us?

--------------------------------------------------

20 kg allowed per person.

Only one hand bag allowed per person.

The handbag should be of the size that it fits under the seat in front or in overhead compartments.

----------------------------------------

Prohibited items in Cabin Baggage:

----------------------------------------

o Dry cell batteries

o Knives, scissors, Swiss army knives and other sharp instruments

o Toy replicas of fire arms and ammunition

o Weapons such as whips, nan-chakus, baton, or stun gun

o Electronic devices which cannot be switched off

o Aerosols and liquids\*

Any other items which are deemed security hazards by local law

\*Passengers can carry one clear transparent resealable litre sized plastic bag

containing small quantities of liquid items / gels / pastes/aerosols or items

of a similar consistency. Liquids / gels / aerosols include but are not limited

to beverages, shampoos, suntan lotions, creams, toothpastes, hair gels and hair sprays.

The contents will be subject to screening and security checks and must comply with

Vistara's security guidelines about permissible objects.

Please enter a valid number

Home

1.Book a flight

----------------------------------------

2.About us

----------------------------------------

3.Baggage Detail

----------------------------------------

4.Flight\_Route

----------------------------------------

5.Cancellation

----------------------------------------

6.Customer Care

----------------------------------------

7.Exit

----------------------------------------

Please enter the option:4

Please Enter your flight number : G5 0021

--------------FLIGHT ROUTE FOR G5 0021 ----------------

---PLEASE ENTER THE NUMBER FROM THE LIST FOR THE FOLLOWING---

Places

1 Mumbai

2 Delhi

3 Goa

4 Thiruvananthapuram

5 Chennai

6 Jaipur

7 Bangalore

8 Kolkata

9 Ahmedabad

10 Hyderabad

11 Jammu

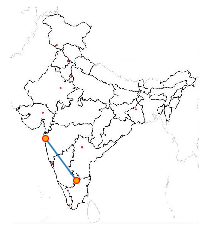
12 Amritsar

13 Chandigarh

Where are you flying from ? 1

Please enter your destination : 7

Please note the route that will be followed by G5 0021



Please enter a valid number

Home

1.Book a flight

----------------------------------------

2.About us

----------------------------------------

3.Baggage Detail

----------------------------------------

4.Flight\_Route

----------------------------------------

5.Cancellation

----------------------------------------

6.Customer Care

----------------------------------------

7.Exit

----------------------------------------

Please enter the option:6

CUSTOMER CARE Vistara Airlines

Should you need to reach out to the Customer Care team for any grievance redressal.

Email Us at: custrelations@vistara.com

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West India : west.salessupport@vistara.com

North India : north.salessupport@vistara.com

South India : south.salessupport@vistara.com

For Media Enquiries, please email us at

media@vistara.com

For Job Enquiries, please email us at

jobenquiries@vistara.com

Please enter a valid number

Home

1.Book a flight

----------------------------------------

2.About us

----------------------------------------

3.Baggage Detail

----------------------------------------

4.Flight\_Route

----------------------------------------

5.Cancellation

----------------------------------------

6.Customer Care

----------------------------------------

7.Exit

----------------------------------------

Please enter the option:7

Exiting

**DECLARATION**

I, Neha Pradeep Menon, Roll No. 15608186 , a student of DPS , Navi Mumbai humbly submit that I have completed the project work as described in this report by my own skill and study as per the instructions of my teacher Ms. Madhurima Kashyap and that I have not copied the report or its any appreciable parts from any other literature in contravention of the academic ethics.



DATE: 10-03-2021 SIGNATURE OF THE STUDENT