FLIGHT EXPLORER

AIM :

To create a flight booking program using python that allows users to choose their departure city, destination, view available flights, select a flight, and book tickets.

PROGRAM DESCRIPTION :

- ➔ The program helps users find and book airline tickets.
- ➔ Users can choose their departure city, destination, and the month they want to travel.
- ➔ The program then displays a table that shows the available flights along with their details, such as departure time, arrival time, date, airline, and flight number.
- ➔ The user can then select a flight. The program then asks the user to enter the number of passengers and then checks if enough seats are available. If there are not enough seats, it asks the user to select another flight.
- ➔ If seats are available, the program asks the user to input details about the passengers, such as name, date of birth, passport number, mobile number, email address, and allows users to choose their class type and meal type.
- ➔ The user is then asked to confirm their booking. If the user confirms, the program asks the user to input their credit card number to pay for the ticket. Once the payment is done, it updates the number of seats in the flight.

PROGRAM REQUIREMENTS :

- ➔ Modules required :
  - ◆ Tabulate
  - ◆ mysql.connector
- ➔ Software required :
  - ◆ Spyder (python 3.7 or newer)
  - ◆ x64-based processor
  - ◆ 4 GB RAM
  - ◆ 5 GB free disk space

CONCLUSION :

The program provides a user-friendly interface, which makes it easy to understand and accessible for anyone. It helps users find available flights, check the availability of seats, and book their tickets. It uses a database to keep track of all the flight information. Users can access additional information about the flight, such as departure and arrival time. This helps users in making their travel plans. The program includes a feature to check the availability of seats, and update the number of seats after the user books their ticket, to prevent overbooking. However, it heavily relies on the database. Any issues with the database may affect the program's functionality.

In conclusion, the project has reached its goal of creating a user-friendly platform for booking flights.