

## PROJECT ON SQL

Create a database for the new company called AeroSpace. This company want to start business in airline from one country to the other. The database should store the following:

- **Customers:** PassportNumber, First Name, Last Name, Gender, Age, Nationality
- **Employee:** EmployeeID, First Name, Last Name, Gender, Age, Hire Date  
Salary:EmployeeID, Job title, Amount
- **Flight:** FlightID, PlaneID, AirportCountryName, DepartureDate, ArrivalCountryName, PassportNumber, EmployeeID, StatusId, DurationsInMinutes
- **Status:** StatusId, Status Name
- **Plane:** PlaneID, PlaneName, PlaneStatus
- **Accounting:** Flight\_fare, salary, flightId, profitOrLoss

## QUESTIONS

1. Calculate The Total ProfitOrLoss for The Company in Each Flightid
2. Add the following to the database:
  - a. **Customers Details**
    - i. T4574058, Daniel, Suart, Male, 71, Thailand
    - ii. S7683596, Shep, MacKenney, Male, 10, Serbia
    - iii. L2770602, Robby, Hovy, Male, 29, Laos
    - iv. B5596339, Othilia, Coneron, Female, 11, Brazil
  - b. **Flight Details**
    - i. 015, 3, Italy, 2024-04-20, Mexico, C9953524, NULL, 8, 805
    - ii. 016, 3, Italy, 2024-04-20, Mexico, S7683596, NULL, 8, 805
3. Due to inflation, there will be an increment in the staff salary: Pilot 12%, Co-pilot 8%, Senior cabin crew 10% and Cabin crew 6% using case statements to know how much will the new salary be
4. Retrieve the details of customers and flight that is on time
5. Which staff haven't worked with the company since they have been employed?
6. Add those staff to the delayed flight
7. calculate the total income generated from cancelled flight
8. Retrieve the highest age staff from each job title
9. The plane that was borrowed has been return back in excellent state
10. Change the planeID from 3 to 5 in the flights records
11. Remove the damaged plane from the data base
12. How many male and female are staff in the company?
13. Add an internship person to the database without payment
14. What is the rate charged per flight **FORMULA (flightfare/DurationsInMinutes)**
15. Which customers haven't transact business with the company?
16. Who are the oldest and youngest customers?
17. Use uppercase for status Name