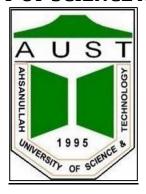# AHSANULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY

Department of Computer Science and Engineering Program:
BSc in Computer Science and Engineering

Assignment No: 01

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Submitted to

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CSE 3104 – Assignment 01

Question: Write suitable SQL commands for the following tasks.

1. Create a table (Passenger) based on the following specifications.

Attribute	Type
Passenger_ID	Integer
Passenger_FName	Varchar
Passenger_LName	Varchar
Passenger_Age	Integer
Destination	Varchar

2. Add the following five records to the table.

Passenger_ID	Passenger_FName	Passenger_LName	Passenger_Age	Destination
1	Ken	Kaneki	21	Tokyo
2	Hideyoshi	Nagachika	26	Tokyo
3	Frank	Robertson	46	Madrid
4	Indrajit	Roy	37	Delhi
5	Abul	Kashem	57	Lahore

3. Display the unique Destination values.
4. Update the Destination of Frank to Delhi.
5. Delete the records from the table if the Destination is Tokyo.
6. Display the Passenger_FName values if the Passenger_Age value is greater than 30.
7. Delete the Passenger_Age column from the table.
8. Add a new column Source of Varchar type to the table.
9. For all the existing entries of the table, set the value of Source as Paris.
10. Display all the entries completely.

Solution:

```
1.CREATE DATABASE mydb;

2.CREATE TABLE Passenger (Passenger_ID int, Passenger_FName
varchar(255),Passenger_LName varchar(255), age int,Destination
varchar(255));

3.INSERT INTO Passenger values (1, 'Ken' , 'Kaneki' , 21 , 'Tokyo');
4.INSERT INTO Passenger values (2, 'Hideyoshi', 'Nagachika', 26, 'Tokyo');
5.INSERT INTO Passenger values (3, 'Frank',  'Robertson', 46, 'Madrid');
6.INSERT INTO Passenger values (4, 'Indrajit',  'Roy',  37, 'Delhi');
7.INSERT INTO Passenger values (5, 'Abul', 'Kashem', 57, 'Lahore');

8.SELECT * FROM Passenger;

9.SELECT DISTINCT Destination FROM Passenger;

10.UPDATE Passenger SET Destination = 'Delhi' WHERE Passenger_FName =
'Frank';

11.DELETE FROM Passenger WHERE Destination = 'Tokyo';

12.SELECT Passenger_FName FROM Passenger WHERE age > 30;

13.ALTER TABLE Passenger DROP COLUMN age;

14.ALTER TABLE Passenger ADD Source varchar(255);

15.UPDATE Passenger SET Source = 'Paris';

16.SELECT * FROM Passenger;
```