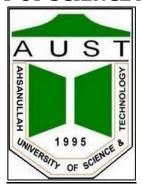
## AHSANULLAH UNIVERSITY OF SCIENCE AND TECHNOLOGY



## **Department of Computer Science and Engineering Program:**

BSc in Computer Science and Engineering

Assignment No: 02

Date of Submission: 22/4/24

Submitted to

## Ms. Nawshin Tabassum Tanny

Lecturer (Grade-I), Department of CSE, AUST. Mr. Md. Siam Ansary Lecturer (Grade-I), Department of CSE, AUST.

Submitted by,

Name: Mushfiqur Rahman Sajid

Student ID: 20210204004

Lab Section: A1

## CSE 3104 - Assignment 02

Question: Write suitable SQL commands for the following tasks.

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

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

- 2. Introduce Primary Key in combination of Passenger\_ID and Passenger\_LName
- 3. Introduce a Check so that the Passenger\_Age must be greater than 18
- 4. Set the Default value of Destination as Kyoto 5. Add the following five records to the table

Passenger_I D	Passenger_FNam e	Passenger_LNam e	Passenger_Age	Destinatio n
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

- 6. Display the records in descending order in regards to the Passenger\_Age values
- 7. Display the records whose Passenger\_Age values are within the range of 25 to 40

- 8. Display Passenger\_FName values of records whose Passenger\_LName values have o in them
- 9. Drop the Check on Passenger\_Age attribute
- 10. Drop the Default constraint from the Destination attribute

```
Solution:
-- DROP DATABASE mydb;
CREATE DATABASE mydb;
-- DROP TABLE Passenger;
CREATE TABLE Passenger ( Passenger_ID int NOT NULL, Passenger_FName varchar(200) NOT NULL,
Passenger_LName varchar(200) NOT NULL, Passenger_Age int NOT NULL, Destination varchar(200)
NOT NULL);
ALTER TABLE Passenger ADD CONSTRAINT pm_key PRIMARY KEY (Passenger_ID, Passenger_LName);
ALTER TABLE Passenger ADD CONSTRAINT chk CHECK (Passenger_Age>18);
ALTER TABLE Passenger ADD CONSTRAINT dflt DEFAULT 'kyoto' FOR Destination;
INSERT INTO Passenger values (1,'Ken','Kaneki',21,'Tokyo');
INSERT INTO Passenger values (2, 'Hideyoshi', 'Nagachika', 26, 'Tokyo');
INSERT INTO Passenger values (3,'Frank','Robertson',46,'Madrid');
INSERT INTO Passenger values (4,'Indrajit','Roy',37,'Delhi');
INSERT INTO Passenger values (5,'Abul','Kashem',57,'Lahore');
SELECT * FROM Passenger ORDER BY Passenger_Age DESC;
SELECT * FROM Passenger WHERE Passenger_Age BETWEEN 25 AND 40;
SELECT Passenger_FName FROM Passenger WHERE Passenger_LName LIKE '%0%';
ALTER TABLE Passenger DROP CONSTRAINT chk;
ALTER TABLE Passenger DROP CONSTRAINT dflt;
```