Lab # 8

IICT BS DS Fall 2022

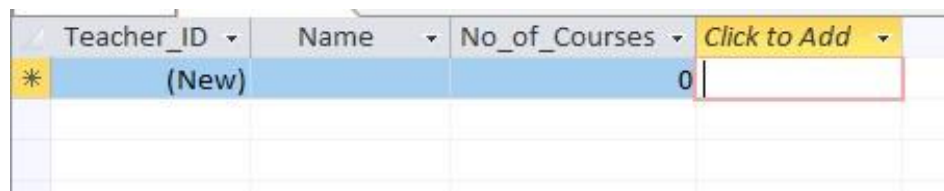**Task 01: Adding Tables to Database**   **[Estimated 15 minutes / 15 marks]**

You are a student and you want to keep track of your grades. So, you decided to make a database as follows:

- Create a blank database and Create a Table for each subject
- Mention your grades of every sessional activity in each table and
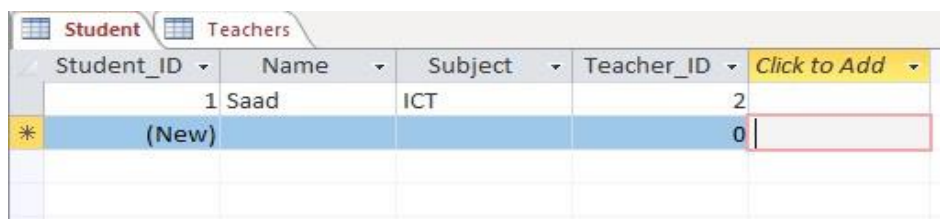- Save the document named **"Lab 08_Task 01_Your Roll No"**

Task 02: Teacher Student Relation   **[20 minutes / 20 marks]**

Fig. 1

Fig. 2

- Create two tables, "Teachers" and "Students" respectively as shown above in the figures
- There should be "ten" entries in the "Students" table and three entries in the **"Teachers"** table
- Make **"Student_ID"** primary key in the **"Students"** table
- Make **"Teacher_ID"** primary key in the **"Teachers"** table
- Add a relationship between tables on the basis of **"Teacher_ID"**
- Name access file with **"Lab 08_Task 02_Your Roll No"**

Task 03: Formatting & Creating Forms and Reports   **[20 minutes / 30 marks]**

- For the Tables in the above task, create Forms & Reports respectively
- The theme for Reports & Forms should be **"Organic"**
- Filter **"Name"** columns of tables on the basis on names which **"contains A"**
- Name access file with **"Lab 08_Task 03_Your Roll No"**

Task 04: Customers Record   **[Estimated time 30 minutes / 40 marks]**

- Create Table:
  - Named **"Customers"**
  - You should have at last 10 Customers with their information included in the table
- Table Fields:
  - ID (Primary Key)
  - First Name
  - Last Name
  - City
  - Address
  - Date of Purchase
  - Amount of Purchase
- Sort table by **"City"** field in **"Descending Order"**
- Apply **"Input Mask"** on **"Date of Purchase"** of your own choice
- Create **"Report"** of the **"Customers"** table
- Create **"Form"** of the **"Customers"** table
- Apply **"Wisp"** theme on Report and Form

- Name access file with **"Lab 08_Task 04_Your Roll No"**