

UNIVERSITY OF CENTRAL PUNJAB

FACULTY OF INFORMATION TECHNOLOGY

Fall 22

INTRODUCTION TO DATABASE SYSTEM

LAB 13

(Revision)

Instructions To Follow

1. For each database created add last four digits of your roll number in the last. Like for this Lab create a database WeddingDress<Last Four Digits of Your Roll Number>. **No marks will be awarded in this lab for not following this instruction.**
2. For For each table created add last four digits of your roll number in the last. Like for this Lab create a table Customer<Last Four Digits of Your Roll Number>. **No marks will be awarded in this lab for not following this instruction.**
3. For each task write the SQL code for that task with screenshot in the word file. **No marks will be awarded in this lab for not following this instruction.**

# In case of Plagerism you will be awarded ZERO marks in that lab. As a plenty any of your previous lab having maximum percentage will also be graded to ZERO

**CASE: “Wedding Dress Database”**

**Task 1:** Create a Database with name “WeddingDress”.

**Task 2:** Create a table in it with the name Customer having following structure.

**Customer** (*CustomerID* int, CName varchar(10) NOT NULL , CAge int NOT NULL, CAddrs varchar(20) NOT NULL, CContactNumber varchar(25))

**Task 3:** Now Insert following data in Customer Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***CustomerID*** | **CName** | **CAge** | **CAddrs** | **CContactNumber** |
| 1 | Ayesha | 24 | Johar Town | 0300-1234567 |
| 4 | Ahmad | 29 | Wapda Town | 0333-1234567 |
| 6 | Rameen | 27 | DHA |  |
| 2 | Amina | 20 | Model Town | 0321-1234567 |
| 3 | Kashif | 18 | Gulberg | 0313-1234567 |

**Task 4:** Create another table in WeddingDress DB with the name Designer having following structure.

**Designer** (*DesignerID* int, DName varchar(15) NOT NULL , DCategory varchar(20) NOT NULL, DContactNumber varchar(25))

**Task 5:** Now Insert following data in Designer Table

|  |  |  |  |
| --- | --- | --- | --- |
| ***DesignerID*** | **DName** | **DCategory** | **DContactNumber** |
| 100 | MariaB | Unstitched Ladies | 0300-7654321 |
| 101 | Charcoal | Men Dressing | 0333-7654321 |
| 102 | Sana Safinaz | Unstitched Ladies | 0321-7654321 |
| 103 | Khaadi | Unstitched Ladies | 0345-7654321 |
| 104 | Oxford | Warm Cloths | 0310-7654321 |

**Task 6:** Now create a third table in WeddingDress DB with the name CustomerDesigner having following structure.

**CustomerDesigner** (*CDID* int AUTO\_INCREMENT, CustomerID int NOT NULL (FK) , DesignerID int NOT NULL (FK), DressType(20) NOT NULL, Priority varchar(25) Default ‘Normal’)

**Task 7:** Now Insert following data in CustomerDesigner Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ***CDID*** | **CustomerID** | **DesignerID** | **DressType** | **Priority** |
| 1 | 1 | 103 | Sari | Normal |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 2 | 1 | 102 | Fancy Suit | Normal |
| 3 | 1 | 103 | Fancy Suit | Urgent |
| 4 | 4 | 101 | Waistcoat | Urgent |
| 5 | 4 | 104 | Sweater | Urgent |
| 6 | 6 | 100 | Fancy Suit | Normal |
| 7 | 2 | 100 | Winter Suit | Normal |
| 8 | 6 | 100 | Winter Suit | Urgent |
| 9 | 3 | 104 | Kurta | Normal |
| 10 | 3 | 104 | Sweater | Normal |

**Task 8:** Write a query that displays total count of order placed by all customers.

**Task 9:** Write a query that displays total count of order placed by each customer individually.

**Task 10:** Write a query that displays total count of order taken by each designer individually.

**Task 11:** Write a query that displays total count of order placed by all customers with ‘Normal’ Priority. **Task 12:** Write a query that displays name of those customer who have ordered more than one dress. **Task 13:** Write a query that displays name of those designer(s) who have taken maximum order.

**Task 14:** Write a query that displays name of those customer(s) who have given minimum order.

**Task 15:** Write a query that displays name of the designer from designer table whose name comes first in dictionary order.

**Task 16:** Write a query that displays name of customer and designer of first order placed.

**Task 17:** Write a query that displays Name of All Customer and their DressType.

**Task 18:** Write a query that displays Name of All Customer with their Designer Name and Dress Priority.

**Task 19:** Now Alter Designer Table and increase size of DCategory to varchar(35).

**Task 20:** Now Update Name of ‘Unstitched Ladies’ to ‘Unstitched Ladies Suit’ in Designer Table.

**Task 21:** Write a query that displays Names of All Customers with their DressType and Priority whose designer is MariaB.

**Task 22:** Now Delete Record of Kashif from WeddingDress Database.

**Task 23:** Now Update Contact Number of Khaadi to 0300-1111111 in Designer Table.

**Task 24:** Display Name and Contact Number of those Designers whose customer’s dress priority is Urgent.