University of Central Punjab

Introduction to Database System

Lab No 4

Relation b/w tables + Alter Queries

Spring - 20

Faculty of Information Technology

UCP Lahore Pakistan

Graded Task

Note: Create a new Database 'Lab04SecE<Last Four Digits of Your Roll No.>' andperform all following questions in it.

Lab Task1

Create a Table named 'Users' of an organization with following data.

UserId	Name	Gender	Age	Email
1	Sadaf	F	10	sadaf@ucp.edu.pk
2	Nagesh	M	28	nagesh@gmail.com
3	Arifa	F	92	arifa@gmail.com
4	Rizwan	M	74	rizwan@nust.edu.pk
5	Makhdoom	M	159	makhdoom@ucp.edu.pk

Lab Task2

Now delete 'Age' column from 'Users' table and add column 'City' in and update data. Your updated table should be like this.

UserId	Name	Gender	Email	City
1	Sadaf	F	sadaf@ucp.edu.pk	Lahore
2	Nagesh	M	nagesh@gmail.com	Lahore
3	Arifa	F	arifa@gmail.com	Karachi
4	Rizwan	M	rizwan@nust.edu.pk	Islamabad
5	Makhdoom	M	makhdoom@ucp.edu.pk	Lahore

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Lab Task3

Now create a new Table named 'Contacts' with following data having foreign key relation with 'Users' table.

PhoneId	UserId	Phone
1	1	+92-0333-1111111
2	4	+92-0321-1234567
3	2	+92-0321-7894561
4	5	+92-0345-3453453
5	3	+92-0313-1313131

Lab Task4

Create a Table named 'Customers' with following data.

CustomerId	Name	Age	Gender
1	Affer Raza	35	M
2	Sami Saqib	26	F
3	Haidar Khan	22	F
4	Zikriya	24	M
5	Mahwand Sultan	29	M

Lab Task5

Now Create a table 'Preferences' with following structure.

PreferenceId	Preferrence

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Lab Task6

Now alter table 'Preferences' and add 'CustomerId' column in it after 'PreferenceId' column. Your updated structure will be look like this.

PreferenceId	CustomerId	Preferrence

Lab Task7

Now alter table 'Preferences' and make 'CustomerId' foreign key to 'Customers' table.

PreferenceId	CustomerId	Preferrence

Lab Task8

Now insert following data in 'Preferences' table.

PreferenceId	CustomerId	Preferrence
1	1	Cricket
2	2	Badminton
3	1	Table Tennis
4	1	Basket Ball
5	3	Jumping
6	4	Cricket
7	5	Table Tennis
8	5	Cricket
9	3	Hockey
10	1	Badminton