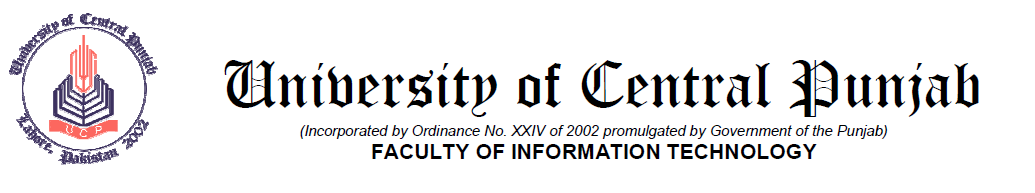
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**Introduction to Database System**

**Spring 2023**

**Lab\_06**

**DDL**

**Q1.** Create a table **Patient** with following fields

* PatientID varchar (15)
* Name varchar (15)
* Age int
* Gender varchar(5)
* Address varchar(20)
* Disease varchar(10)
* DoctorID varchar(15)

**Constraints.**

* **PatientID**in Patient, is primary key.

**Q2.** Change the datatype of Gender from varchar(5) to char in **Patient** table.

**Q3.** Create a table **Doctor** with following fields

* DoctorID varchar (15)
* Name varchar (15)
* Age int
* Gender char
* Address varchar(20)

**Constraints.**

* **DoctorID**in Doctor, is primary key.

**Q4**. Now add column **DoctorWard varchar(15)** in Doctor table.

**Q5**. There is no relationship between Patient and Doctor table, so make a relation between these two tables using alter command.

**Note** DoctorID in Patient, should be foreign key from Doctor table.

**Q6.** Create a table **Lab** with following fields

* LabID varchar (15)
* TestDate date
* TestAmount varchar(20)
* PatientID varchar(15)
* DoctorID varchar(15)

**Constraints.**

* **LabID**in Lab, is primary key.

**Q7.** DoctorID in Lab, should be foreign key from Doctor Table

**Q8.** PatientID in Lab, should be foreign key from Patient Table

**Q9.** Change name of TestAmount column in Lab to Amount.

**Q10.** Change the data type of Amount in Lab from varchar(20) to double.

**Q11.** Add a new column with the name of LabNo varchar (10).

**Q12.** Create a table **HospitalRoom** with following fields

* RoomID varchar (15)
* RoomAllocationDate date
* RoomType varchar(20)
* RoomStatus varchar(5)

**Constraints.**

* **RoomID**in HospitalRoom, is primary key.

**Q13.**Create a table **PatientBill** with following fields

* BillID varchar (15)
* BillDate date
* Amount varchar(20)
* PatientID varchar(15)

**Constraints.**

* **BillID**in PatientBill, is primary key.

**Q14.** There is no relationship between Patient table and PatientBill table, so make a relation between these two tables using alter command.

**Note** PatientID in PatientBill, should be foreign key from Patient table.

**Q15**. Rename HosiptalRoom table to Room.