

LABSHEET 6

Consider the tables given below:

DOCTOR		
DID	INT	Primary key
DNAME	VARCHAR(25)	
SPECIALIZATION	VARCHAR(20)	Default 'general'
AADHAR_NO	VARCHAR(12)	unique
CONSULTATION_FEE	NUMERIC(5,2)	Constraint C1: Check (Consultation_fee > 50)
CITY	VARCHAR(20)	

PATIENT		
PID	INT	Primary key
PNAME	VARCHAR(25)	
DATE_OF_BIRTH	DATE	
ADDRESS	VARCHAR(20)	

- a. Create the tables as per the instructions given and insert suitable data.
- b. Add a column called SPECIAL_FEE with data type NUMERIC(5,2) to DOCTOR table
- c. Add a check constraint to show that SPECIAL_FEE > CONSULTATION_FEE
- d. Using alter command, Drop the constraint C1.
- e. Add a column AADHAR_NUMBER to patient table with UNIQUE constraint.
- f. Add NOT NULL constraint to the DATE_OF_BIRTH column of PATIENT table.
- g. Delete a doctor from DOCTOR table.
- h. Display the name of the doctors whose consultation fees are even.
- i. Find the doctors whose name starts with 'K' and ends with 'n'
- j. Find the patients whose name starts with 'A' and is followed by 2 characters only.
- k. Find the doctors whose name starts with 'J' or 'L'
- l. Find the doctors whose specialization is 'E.N.T' and consultation fee is more than 60
- m. Find the doctors whose consultation fee is between 50 and 100
- n. Arrange the doctors in the descending order of name as well as city.
- o. List the specialization of doctors without duplicate values.
- p. Find the total number of doctors.
- q. Find the number of doctors with 'E.N.T' specialization.
- r. Find the number of patients who were treated by a doctor with ID = 1;

- s. Display the total fee i.e. special fee + consultation fee, for each doctor. (Use heading 'TOTAL_FEE')
- t. Find the number of doctors with no adhar number given. (i.e. is null).
- u. Find the number of doctors with adhar number given. (i.e. is not null)
- v. Find the doctors whose CONSULTATION FEE is greater than 100 and SPECIALIZATION is Cardiac or coming from Kollam.
- w. Find the result of the query: select * from doctor order by 3;