

Final Assessment Test –Fall Semester-2020-21

CSE2004-Database Management Systems - Lab

B.Tech – L27+L28

Total marks: 50

Instructions

1. Mark distribution

Creation	-5 marks
Insertion	-5 marks
Constraints	-5 marks
DDL	-2.5 marks
DML	-2.5 marks
SQL Queries	- 20 marks
PL/SQL	- 10 marks
Total	- 50 marks

- 2. Copy the table creation and insertion commands and SQL queries with proper output and paste it to the document.**
- 3. Save the document with your register number and Question set number. Ex. 19BCE0001_1**
- 4. Upload the document in VTOP.**

Question 1:

Book (**BookID**, Title, Price, Date_Of_Publish, PublisherID)

Publisher(**PublisherId**, name, Address, Phone_number)

Book_Copies(**BookID**, **BranchID**, No_Of_Copies)

Branch(**ID**, name, address)

1. Create Tables specifying given primary keys and identifying the foreign keys. [5]

i) Make sure that the price of the book should be more than 100rs. and publisher Id should be 100 to 110.

[2.5]

ii) The Publisher address column can contain only the following cities 'London', 'Mumbai' or 'New york'. [2.5]

2. Insert necessary values [min. 4 tuples in each table]. [5]

3. Change the column name Phone_number to Mobile_number. [2.5]
4. Increase the price of the book by 100 rs. which starts with 'S'. [2.5]
5. Query the Database to [20]
 - (a) Retrieve all the addresses of Publisher and Branch.
 - (b) List the book IDs which has been available in 2 branches.
 - (c) Retrieve the Book title, price, publisher name, Branch name and address of the branch which has the price more than 200 and published before 1st October 2020.
 - (d) Find the titles of the book which has the second maximum price.
6. Write a function to get the book id from user and display the price of the book. [5]
7. Write a trigger to display the difference amount of the book, if the book price is updated. [5]

Question 2

Patient (**patientId**, name, address, age)

Doctor (**doctorId**, name, dept_no, date_of_joining)

Department(**Deptno**, Dept_name, Dean_ID)

Treatment (**patientId**, **doctorId**, fees)

1. Create Tables specifying given primary keys and identifying the foreign keys. [5]
 - i) The Doctor name should not be null and date_of_joining should not be after 1st October,2020 [2.5]
 - ii) The fees for the treatment should not be exceeded more than 1000 and less than 500. [2.5]
2. Insert necessary values. [min. 4 tuples in each table] [5]
3. Add the column DOB in the Patient table. [2.5]
4. Find the details of the patient whose name begin with 'S' [2.5]
5. Query the Database to [20]
 - (a) Retrieve the patient names who have not treated under any doctor.
 - (b) Retrieve the doctor name and his patient details who is the dean of **Cardiology**
 - (c) List the patient id who has been treated by the doctors more than one time and the fees not exceeded than 700rs.
 - (d) Find the name of the patient and his doctor name who has paid the least fees than other patients.

6. Write cursor to increase the salary of the doctors by 20% whose belong to cardiology department and have more than 5 years of experience. [5]
7. Write a trigger to update the age of the patients when the DOB is inserted or updated. [5]

Question 3:

Create a table student and insert necessary data.

Student (**regno**, name, DOB, address, cgpa, Dno)

Department (**Deptno**, Deptname)

Course (**code**, title, credit, type)

Registered (**regno, code, sem**)

1. Create Tables specifying given primary keys and identifying the foreign keys. [5]
 - i) Make sure that the course title must be unique and course type should contain only 'PC', 'UC' and 'UE'. [2.5]
 - ii) The student cgpa must not be less than 2.5 and greater than 10. [2.5]
2. Insert necessary values. [5]
3. Remove the column address from the student table. [2.5]
4. Delete the student record which has NULL values in the dob column. [2.5]
5. Query the Database to [20]
 - (a) Find the department name which no student admitted.
 - (b) List the name of the students who registered more than 2 subjects and not belong to 'SITE' department.
 - (c) Find the student names who is registered all the courses with 'Ravi'.
 - (d) Retrieve the student's name, address, Department name, title of the courses registered by the student whose name starts with 'R' and not belong to 'SCOPE'.
6. Write a cursor to update the course type 'PC' for all the courses which contains 4 credits in the course table. [5]
7. Write a trigger to display the student records, if the address is column is updated. [5]

PROGRAM	REGISTER NO	NAME	Question
BMD	17BMD0076	NAGARAJAN ABISHEIK	3
BCE	18BCE0238	LAGI SETTY NAVYANTH	2
BCE	18BCE0830	ANKIT CHAWLA	1
BEC	18BEC0147	ANSHUL JANGWAL	3
BCB	19BCB0002	CHUNDI INDU	2
BCB	19BCB0045	PRANAV B S	1
BCB	19BCB0078	MEDA DHEERAJ SAI KUMAR REDDY	3
BCB	19BCB0079	KOLLA RAVITEJA	2
BCB	19BCB0135	PALANISAMY V	1
BCE	19BCE0041	PILLA VAISHNO MOHAN	3
BCE	19BCE0118	VADIRAJ ANAND RAO	2
BCE	19BCE0159	K LAHARI	1
BCE	19BCE0263	YUVRAJ SINGH	3
BCE	19BCE0265	AYUSH GUPTA	2
BCE	19BCE0274	CHEERLA MANIDEEP	1
BCE	19BCE0291	VINAYAK DUBEY	3
BCE	19BCE0350	VIBHA GARG	2
BCE	19BCE0364	WAGHIRKAR PIYUSH MANESH	1
BCE	19BCE0380	AGOORUKASETTY ADITHYA	3
BCE	19BCE0532	DUSSA LALITH KUMAR	2
BCE	19BCE0545	ORUGANTI SHIVA CHARAN	1
BCE	19BCE0548	ABHINAV TRIPATHI	3
BCE	19BCE0572	PANKAJ SHARMA	2
BCE	19BCE0615	RITWIK A SINHA	1
BCE	19BCE0647	ARITRI BASU	3
BCE	19BCE0670	MOKKAPATI ASHIK	2
BCE	19BCE0697	ARYAN PRASAD	1
BCE	19BCE0743	B ADITYA KRISHNA	3
BCE	19BCE0751	AMAN ANAND	2
BCE	19BCE0769	ADITHYA S	1
BCE	19BCE0773	BAGEWADI ABUZAR	3
BCE	19BCE0780	SHAIK MD IRFAN NAWAZ	2
BCE	19BCE0799	HARSHIT MISHRA	1
BCE	19BCE0815	SRIGUGAN S	3
BCE	19BCE0923	DARAHAS VANDANA	2
BCE	19BCE0965	RAHUL KUMAR	1
BCE	19BCE0977	NAYAK SWARANJANA SUBODHAKUMAR	3
BCE	19BCE2003	NAGA DURGA AMARNADH REDDY DODDA	2
BCE	19BCE2008	JANGALA NIKHIL	1
BCE	19BCE2022	ASHIKKA GUPTA	3
BCE	19BCE2034	SAYAN NAYAK	2
BCE	19BCE2043	MOLUGU BHUVAN	1
BCE	19BCE2046	RISHIKESH SONI	3
BCE	19BCE2053	NILOY MEHTA	2
BCE	19BCE2064	VISHNU RAHUL VARMA DATLA	1
BCE	19BCE2079	KAPADIA DHVANI HEMISH	3

BCE	19BCE2091	PIYUSH YADAV	2
BCE	19BCE2096	AJIT SINGH	1
BCE	19BCE2129	YASHVARDHAN SINGH BHADAURIA	3
BCE	19BCE2162	PRANJAL MARTAND BORKAR	2
BCE	19BCE2181	SHUBHAM VATS	1
BCE	19BCE2192	PREETHAM PASALA	3
BCE	19BCE2225	ATTHI GEETHIKA	2
BCE	19BCE2248	ROHAN ARORA	1
BCE	19BCE2284	ADARSH SINGH	3
BCE	19BCE2293	SPARSH JAIN	2
BCE	19BCE2308	HASANAPURAM SUVYAKTHA SREENIDHI	1
BCE	19BCE2311	GAURAV SINGH	3
BCE	19BCE2338	AVANTHIKA RAJ	2
BCE	19BCE2414	VAISHNAVI S	1
BCE	19BCE2433	PRITI SRI S	3
BCE	19BCE2467	VISHNU ANILKUMAR NAIR	2
BCE	19BCE2476	PRASHANT MAIKHURI	1
BCE	19BCE2553	AYUSH LODH	3
BCE	19BCE2692	ROYAL	2
BCI	19BCI0018	ANURAG SAKSENA	1
BCI	19BCI0080	AKASH MOHAN JOSHI	3
BCI	19BCI0104	KASULA SOWMITH	2
BCI	19BCI0243	PRABALJIT WALIA	1
BCI	19BCI0248	DEEPANSHU SAINI	3
BCI	19BCI0252	REDDY SAI KUNDAN	2