EXAMINATION QUESTION PAPER

PG-DAC SEPT 2021

Module Name : DBT

DATE: 07 /11 / 2021 **Duration:** 2 hrs. **Max. Marks:** 40

Instructions:

1. Login Zoom link with your Desktop with a camera and a mic : https://us02web.zoom.us/meeting/register/tZArf-yhpjMsHdVcZ-vGg4fzoqH7W27aOLUh
2. Enable the camera when asked for and share your screen as well – WHEN ASKED for it during the exam.
3. Create a folder with your PRN number and add a word file in it named as your PRN itself.
4. Paste all the queries in the word file and the output's screenshots as well.
5. Compress the folder in zip format. And upload this compressed zip file in the google form link : https://forms.gle/p49kfgDA5BbKLsmt8

Q1.

FIND THE SECOND LOWEST SALARY AMONG THE EMPLOYEES , WHO ARE WORKING IN THE SAME DEPARTMENT. ***(3 Marks)***

Q2.

1. FIND LIST EMPLOYEES WHICH ARE EARNING LESS THAN AVG SALARY OF THERE DEPARTMENTS ***(2 Marks)***
2. WRITE A SQL QUERY TO FIND THOSE EMPLOYEES WHOSE SALARY CONTAINS ONLY THREE DIGITS. ***(2 Marks)***

Q3.

WRITE A QUERY TO DISPLAY THE EMPLOYEE FULL NAME (FIRST_NAME , LAST_NAME) , DEPARTMENT_NAME , JOB ID , MANAGER NAME HAVE A SALARY IN THE RANGE OF 9000 TO 12000 ***(3 Marks)***

Q4.

WRITE A QUERY TO DISPLAY THE EMPLOYEE FULL NAME (FIRST_NAME , LAST_NAME) , DEPARTMENT_NAME , HIRE_DATE , SALARY OF ALL THE EMPLOYEES WHOSE EXPERIANCE IS MORE THAN 12 YEARS ***(3 Marks)***

Q5.

WRITE A QUERY TO DISPLAY THE EMPLOYEES NAMES WITH FIRST LATTER CAPITALIZED AND ALL OTHERS LETTERS IN LOWERCASE FOR ALL THE EMPLOYEES WHOSE NAME START WITH J , A , OR M ***(3 Marks)***

Q6. LIST DEPARTMENT DETAIS IN WHICH NO EMPLOYEES IS WORKING . ***(3 Marks)***

Q7. DISPLAT ALL EMPLOYEES THOSE WERE JOINED BEFORE EMPLOYEE Lex joined ***(3 Marks)***

Q8.

Prepare a program to receive the input as table name and column name. Add primary key constraint on provided table's column. ***(3 Marks)***

Q9 .

WRITE A STORE FUNCTION TO FIND THE TYPE OF CARD TO BE ALLOCATED TO THE EMPLOYEE BASED ON THE SALARY :-

- Salary between 1000 - 10000 (Silver Card With 50000 Limit)
- Salary between 10000 - 20000 (Gold Card With 150000 Limit)
- Salary greater then 20000 (Platinum Card with 300000 Limit) ***(5 Marks)***

Q10.

WRITE A QUERY TO CREATE A SIMPLE VIEW FOR ALL EMPLOYEESS WITH NAME AS (FIRST_NAME , LAST_NAME), DEPARTMENT_NAME , JOB NAME , MIN_SALARY , MAX_SALARY. ***(5 Marks)***

Q11 .

CREATE TRIGGER IN MYSQL ON FOLLWING TABLE

CREATE SALAES TABLE WHICH HAS FOLLWING COLUMNS
ID , PRODUCT , QUENTITY , FYEAR

AFTER UPDATING THE SALES TABLES INSERT OLD AND NEW VALUES INTO SALE_CHANGES TABLE. ***(5 Marks)***

********** **ALL THE BEST!!!!!** **********