**CHAROTAR UNIVERSITY OF SCIENCE & TECHNOLOGY**

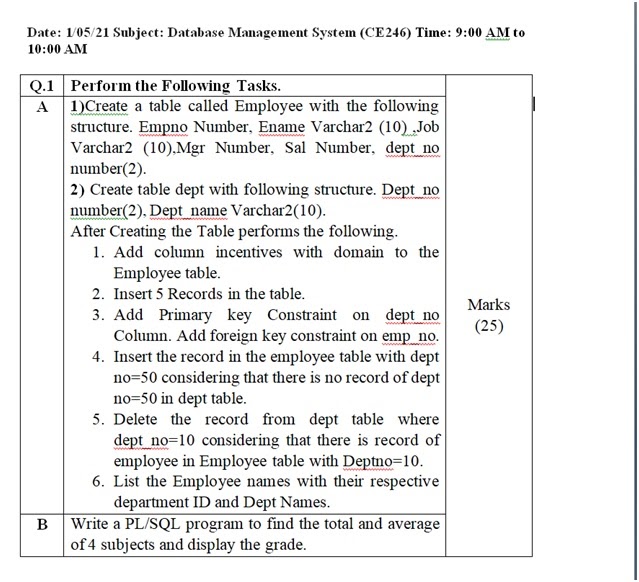
**U. & P. U. PATEL DEPARTMENT OF COMPUTER ENGINEERING**

**DEVANG PATEL INSTITUE OF ADVANCE TECHNOLOGY AND RESEARCH**

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| --- | --- | --- | --- |
| **ID:** | 19DCE056 | **Name:** | Yash Kavaiya |
| **Subject Code:** | CE246 | **Subject Name:** | Database Management System |
| **Date of Exam:** | 1st May, 2021 | **Batch:** | C |
| **Contact:** | 9537601879 | **Question Set:** |  |

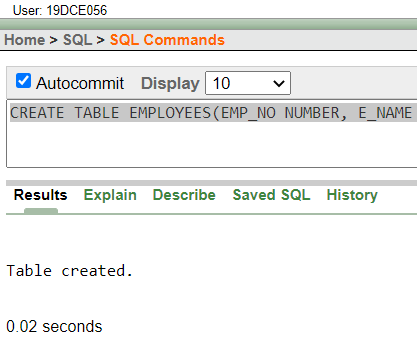
**PRACTICAL – 1**

**AIM: Perform following queries.**

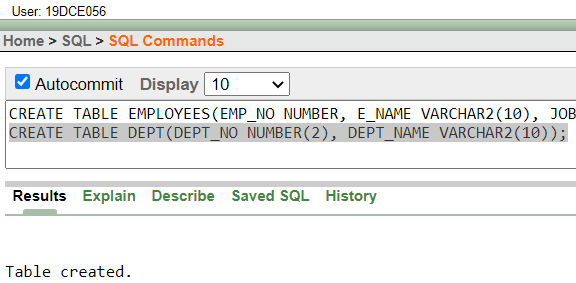
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**COMMANDS:**

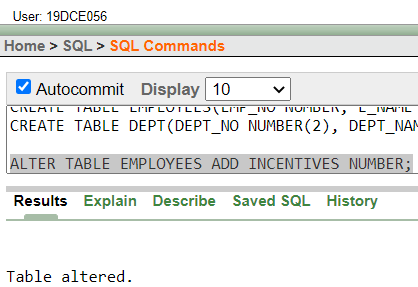
CREATE TABLE EMPLOYEES(EMP\_NO NUMBER, E\_NAME VARCHAR2(10), JOB VARCHAR2(10), MGR NUMBER, SALARY NUMBER, DEPT\_NO NUMBER(2));



CREATE TABLE DEPT(DEPT\_NO NUMBER(2), DEPT\_NAME VARCHAR2(10));



ALTER TABLE EMPLOYEES ADD INCENTIVES NUMBER;



INSERT ALL

INTO DEPT VALUES(20, 'AI', 102)

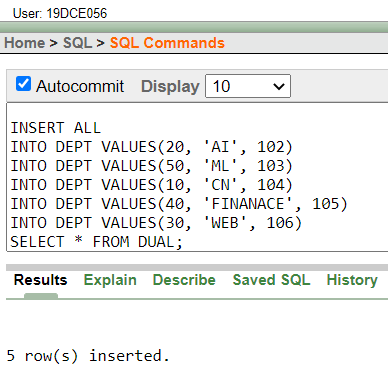
INTO DEPT VALUES(50, 'ML', 103)

INTO DEPT VALUES(10, 'CN', 104)

INTO DEPT VALUES(40, 'FINANACE', 105)

INTO DEPT VALUES(30, 'WEB', 106)

SELECT \* FROM DUAL;



INSERT ALL

INTO EMPLOYEES VALUES(102, 'YASH', 'SDE', 201, 5000, 20, 0)

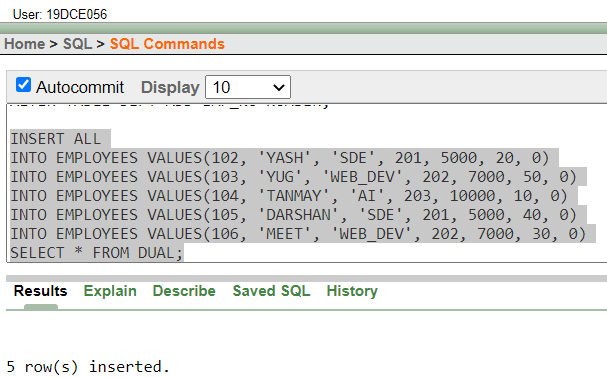
INTO EMPLOYEES VALUES(103, 'YUG', 'WEB\_DEV', 202, 7000, 50, 0)

INTO EMPLOYEES VALUES(104, 'TANMAY', 'AI', 203, 10000, 10, 0)

INTO EMPLOYEES VALUES(105, 'DARSHAN', 'SDE', 201, 5000, 40, 0)

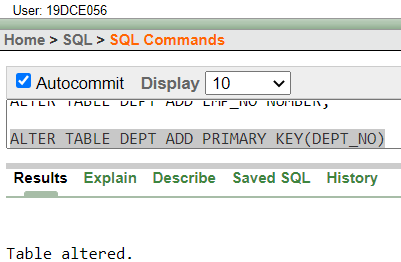
INTO EMPLOYEES VALUES(106, 'MEET', 'WEB\_DEV', 202, 7000, 30, 0)

SELECT \* FROM DUAL;

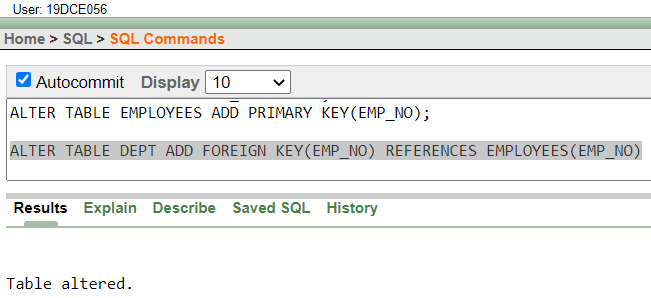


ALTER TABLE DEPT ADD PRIMARY KEY(DEPT\_NO)

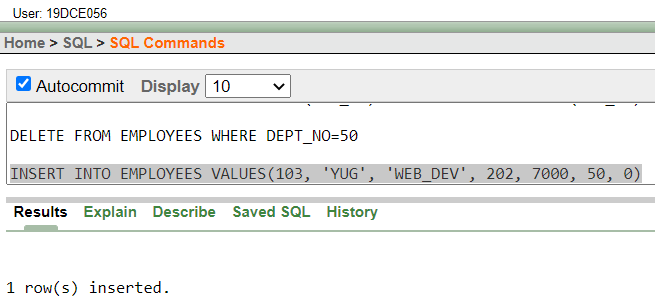
ALTER TABLE EMPLOYEES ADD PRIMARY KEY(EMP\_NO);



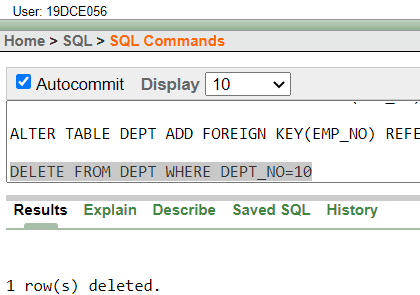
ALTER TABLE DEPT ADD FOREIGN KEY(EMP\_NO) REFERENCES EMPLOYEES(EMP\_NO)



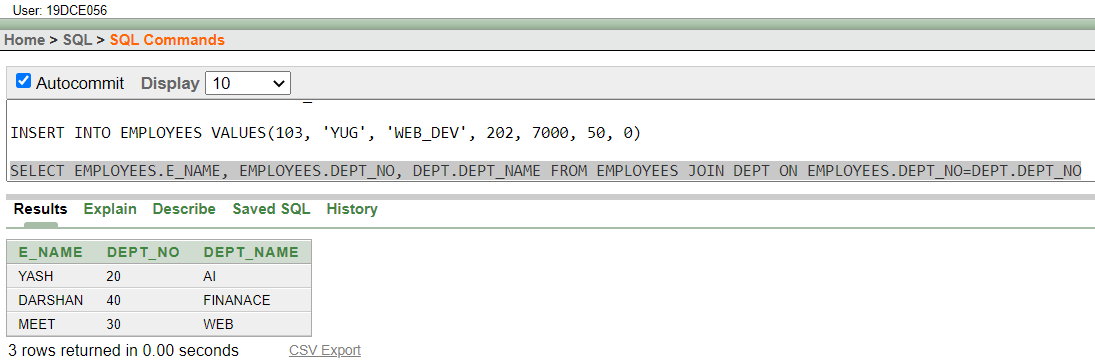
INSERT INTO EMPLOYEES VALUES(103, 'YUG', 'WEB\_DEV', 202, 7000, 50, 0)



DELETE FROM DEPT WHERE DEPT\_NO=10



SELECT EMPLOYEES.E\_NAME, EMPLOYEES.DEPT\_NO, DEPT.DEPT\_NAME FROM EMPLOYEES JOIN DEPT ON EMPLOYEES.DEPT\_NO=DEPT.DEPT\_NO



**PRACTICAL – 2**

**AIM: Write a PL/SQL program to find sum and average of 4 subjects and display grade.**

**CODE:**

DECLARE

SUB\_1 NUMBER;

SUB\_2 NUMBER;

SUB\_3 NUMBER;

SUB\_4 NUMBER;

TOTAL NUMBER;

AVERAGE NUMBER;

GRADE VARCHAR2(1);

BEGIN

-- USER SHOULD ENTER MARKS OUT OF 100

SUB\_1 := :ENTER\_SUBJECT\_1\_MARKS;

SUB\_2 := :ENTER\_SUBJECT\_2\_MARKS;

SUB\_3 := :ENTER\_SUBJECT\_3\_MARKS;

SUB\_4 := :ENTER\_SUBJECT\_4\_MARKS;

TOTAL := SUB\_1 + SUB\_2 + SUB\_3 + SUB\_4;

AVERAGE := TOTAL/4;

DBMS\_OUTPUT.PUT\_LINE('Total Marks are ' || TOTAL);

DBMS\_OUTPUT.PUT\_LINE('Average of total Marks are ' || AVERAGE);

IF TOTAL > 350 THEN

GRADE := 'A';

ELSIF TOTAL > 300 AND TOTAL < 350 THEN

GRADE := 'B';

ELSIF TOTAL > 250 AND TOTAL < 300 THEN

GRADE := 'C';

ELSIF TOTAL > 200 AND TOTAL < 250 THEN

GRADE := 'D';

ELSIF TOTAL > 150 AND TOTAL < 200 THEN

GRADE := 'E';

ELSE

GRADE := 'F';

END IF;

DBMS\_OUTPUT.PUT\_LINE('Grade Is ' || GRADE);

END;

**OUTPUT:**

