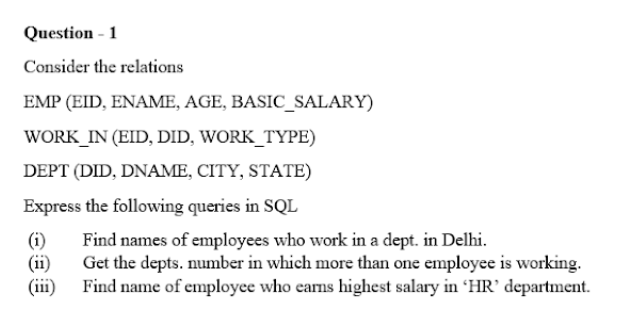
**CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY**

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

**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING**

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| --- | --- | --- | --- | --- | --- |
| **STUDENT ID** | **:** | 19DCS098 | **STUDENT NAME** | **:** | Parth N Patel |
| **SUBJECTCODE** | **:** | CE 246 | **SUBJECT NAME** | **:** | DBMS |
| **EXAM DATE** | **:** | 27 April 2021 |  |  |  |

**DEFINITION:**



**SOLUTION :**

CREATE TABLE emp(eid VARCHAR2(4),ename VARCHAR2(10),age NUMBER(2),basic\_salary NUMBER);

CREATE TABLE work\_in(eid VARCHAR2(4),did VARCHAR2(4),work\_type VARHCHAR2(10));

CREATE TABLE dept(did VARCHAR2(4),dname VARCHAR2(10),city VARCHAR2(20),state VARCHAR2(20));

/\* FOR QUERY-1 \*/

SELECT emp.ename FROM emp

JOIN work\_in ON emp.eid=work\_in.eid

WHERE did= (SELECT did FROM dept WHERE city='delhi');

/\* QUERY-2 \*/

SELECT did "department number"

FROM work\_in GROUP BY did HAVING COUNT(eid) IN

(SELECT COUNT(eid) FROM work\_in GROUP BY did)

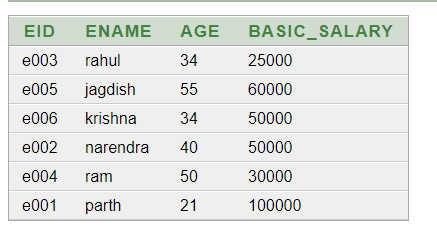
/\* FOR QUERY-3 \*/

SELECT ename FROM emp

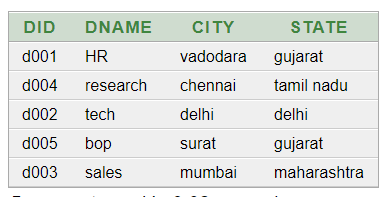
WHERE basic\_salary=(SELECT MAX(basic\_salary) FROM emp

WHERE eid IN (SELECT eid FROM work\_in WHERE did='d001'));

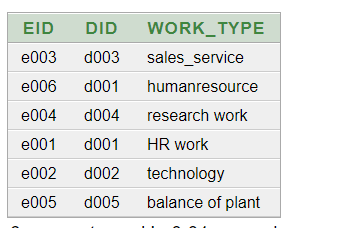
**SCREEN SHOTS:**



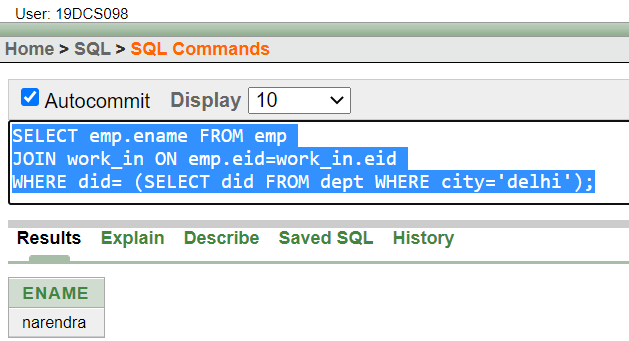
**Data of emp table**



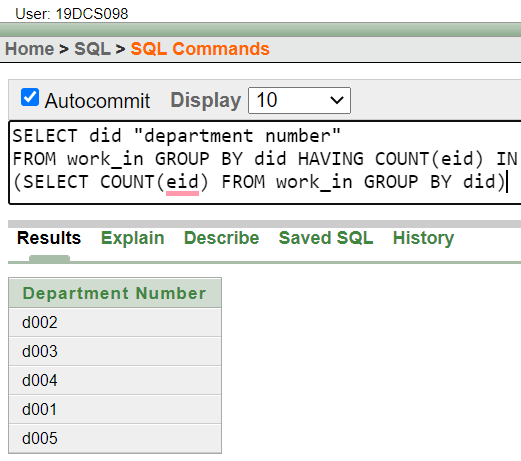
**Data of dept table**



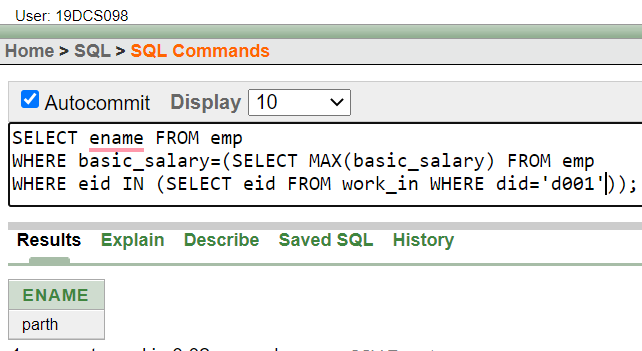
**Data of work\_in table**



**OUTPUT OF QUERY 1**



**FOR QUERY 2**



**OUTPUT OF QUERY 3**

**DEFINITION :**



**SOLUTION:**

DECLARE

str VARCHAR2(10) := 'parthpatel';

vowels NUMBER := 0;

tmp CHAR;

BEGIN

FOR i IN 1..LENGTH(str) LOOP

tmp:=Substr(str,i,1);

IF tmp IN ('A','E','I','O','U','a','e','i','o','u') THEN

vowels:=vowels+1;

END IF;

END LOOP;

DBMS\_OUTPUT.PUT\_LINE('STRING : '||str);

DBMS\_OUTPUT.PUT\_LINE(' TOTAL VOWELS IN STRING IS : '||vowels);

END

**OUTPUT SCREENSHOT:**

