**EX:01.CREATION OF BASE TABLE AND DML OPERATION**

**DEPT:CSE(CYBER SECURITY)**

**ROLLNO: 231901043                                                             NAME: RITHUPRIYA.S**

**1)CREATE TABLE:**

create table my\_employee (id number (4), last\_name varchar (25), first\_name varchar (25), userid varchar (25), salary number (9,2));

**OUTPUT:**

Table created

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Column Name** | **Data Type** | **Nullable** | **Default** | **Primary Key** |
| ID | NUMBER (4,0) | No | - | - |
| LAST\_NAME | VARCHAR2(25) | Yes | - | - |
| FIRST\_NAME | VARCHAR2(25) | Yes | - | - |
| USERID | VARCHAR2(25) | Yes | - | - |
| SALARY | NUMBER(9,2) | Yes | - | - |

**2)Add first and second rows data to the table**

INSERT INTO my\_employee VALUES(1,'Patel','Ralph','rpatel',895)

INSERT INTO my\_employee VALUES(2,'Dancs','Betty','bdancs',860)

**OUTPUT:**

1 row(s) inserted

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **LAST\_NAME** | **FIRST\_NAME** | **USERID** | **SALARY** |
| 1 | Patel | Ralph | rpatel | 895 |

1 row(s) inserted

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **ID** | **LAST\_NAME** | | **FIRST\_NAME** | **USERID** | **SALARY** |
| 1 | Patel | | ralph | rpatel | 1000 |
| 2 | | Dancs | Betty | bdancs | 860 |  |

**3)DISPLAY TABLE:**

Select \*from MY\_EMPLOYEE;

**OUTPUT:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **LAST\_NAME** | **FIRST\_NAME** | **USERID** | **SALARY** |
| 1 | patel | Ralph | rpatel | 895 |
| 2 | dancs | Betty | bdancs | 860 |
| 3 | biri | Ben | bbiri | 1100 |
| 4 | newman | Chad | cnewman | 750 |
| 5 | ropebur | Audrey | aropebur | 1550 |

**4)POPULATE THE NEXT TWO ROWS OF DATA:**

INSERT INTO MY\_EMPLOYEE VALUES (3,'biri','ben','bbiri', 1100);

INSERT INTO MY\_EMPLOYEE VALUES (4,'newman','chad','cnewman', 1550);

**OUTPUT:**

1 row(s) inserted

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **D** | **LAST\_NAME** | **FIRST\_NAME** | **USERID** | **SALARY** |
| 1 | Patel | Ralph | rpatel | 895 |
| 2 | Dancs | Betty | bdancs | 860 |
| 3 | biri | Ben | bbiri | 1100 |

1 row(s) inserted

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **LAST\_NAME** | **FIRST\_NAME** | **USERID** | **SALARY** |
| 1 | Patel | Ralph | rpatel | 895 |
| 2 | Dancs | Betty | bdancs | 860 |
| 3 | biri | ben | bbiri | 1100 |
| 4 | newman | chad | cnewman | 1550 |

**5)DELETE BETTY DANCS FROM MY\_EMPLOYEE:**

Delete from MY\_EMPLOYEE where first\_name='betty';

**OUTPUT:**

1 row(s) deleted

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **LAST\_NAME** | **FIRST\_NAME** | **USERID** | **SALARY** |
| 1 | Patel | Ralph | rpatel | 895 |
| 3 | biri | ben | bbiri | 1100 |
| 4 | newman | chad | cnewman | 1550 |

**6)EMPTY THE FOURTH ROW OF THE EMP TABLE:**

Delete from MY\_EMPLOYEE where id='4';

**OUTPUT:**

1 row(s) deleted

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **LAST\_NAME** | **FIRST\_NAME** | **USERID** | **SALARY** |
| 1 | Patel | Ralph | rpatel | 895 |
| 3 | biri | ben | bbiri | 1100 |

**7)MAKE THE DATA ADDITIONS PERMANENT:**

Commit;

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **LAST\_NAME** | **FIRST\_NAME** | **USERID** | **SALARY** |
| 1 | patel | ralph | rpatel | 895 |
| 3 | biri | ben | bbiri | 1100 |

**8)CHANGE THE LAST\_NAME OF EMPLOYEE 3 TO DREXLER:**

Update MY\_EMPLOYEE set last\_name='drexler' where id=3;

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **LAST\_NAME** | **FIRST\_NAME** | **USERID** | **SALARY** |
| 1 | patel | ralph | rpatel | 895 |
| 3 | drexler | ben | bbiri | 1100 |

**9)CHANGE THE SALARY TO 1000 FOR ALL THE EMPLOYEES:**

UPDATE MY\_EMPLOYEE SET SALARY=1000 WHERE SALARY<900;

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **LAST\_NAME** | **FIRST\_NAME** | **USERID** | **SALARY** |
| 1 | patel | ralph | rpatel | 1000 |
| 3 | drexler | ben | bbiri | 1100 |