1. **CREATION OF BASE TABLE AND DML OPERATION**

**DEPT: CSE (CYBERSECURITY)**

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**1) CREATE MY\_EMPLOYEE TABLE:**

Create table my\_employee (id number (4), last\_name varchar (25), first\_name

Varchar (25), userid varchar (25), salary number (9,2) );

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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 | - | - |

**OUTPUT:**

Table created

**2) ADDING ROWS DATA TO 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 | 895 |
| 2 | Dancs | Betty | bdancs | 860 |

**3) DISPLAY TABLE MY\_EMPLOYEE:**

Select \*from my\_employee;

**OUTPUT:**

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

**4) POPULATE THE NEXT TWO ROWS OF DATE FROM SAMPLE 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 EMPLOYEE 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:**

Commite;

**OUTPUT:**

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

**8) CHANGE THE NAME OF EMPLOYEE 3 TO DREXLER:**

 Update my\_employee set last\_name='Drexler' where id=3;

**Output:**

1 row(s) updated.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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 EMPLOYEES WITH A SALARY LESS THAN 900:**

Update my\_employee set salary=1000 where salary<900;

**OUTPUT:**

1 row(s) updated.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **LAST\_NAME** | **FIRST\_NAME** | **USERID** | **SALARY** |
| 1 | Patel | Ralph | rpatel | 1000 |
| 3 | Drexler | ben | bbiri | 1100 |