

```
/*
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Date: 28-06-2020
LAB: 06
*/
```

--Q1:

```
/*
START NEW TRANSACTION WITH NEW CONNECTION AND SHEET(BLANK)
ANY DDL STATEMENT
COMMIT STATEMENT
BEGIN STATEMENT
*/
```

--Q2:

```
/*
CREATE TABLE newEmployees AS
SELECT * FROM employees;
*/
```

--Q3:

```
/*
SET AUTOCOMMIT OFF;
SET TRANSACTION READ WRITE;
*/
```

--Q4:

```
/*
INSERT ALL
INTO newEmployees
VALUES (100, 'Patel', 'Ralph', 22333, 'rpatel@mail.com', 1, NULL, 'Sales Rep')
INTO newEmployees
VALUES (101, 'Denis', 'Betty', 33444, 'bdenis@mail.com', 4, NULL, 'Sales Rep')
INTO newEmployees
VALUES (102, 'Biri', 'Ben', 44555, 'bben@mail.com', 2, NULL, 'Sales Rep')
INTO newEmployees
VALUES (103, 'Newman', 'Chad', 66777, 'nchad@mail.com', 3, NULL, 'Sales Rep')
INTO newEmployees
VALUES (104, 'Ropeburn', 'Audrey', 77888, 'raudrey@mail.com', 1, NULL, 'Sales Rep')
Select * from dual;
*/
```

--Q5:

```
/*
SELECT * FROM newEmployees;
--30 ROWS
*/
```

--Q6:

```
/*
ROLLBACK;
SELECT * FROM newEmployees;
--25 ROWS
*/
```

--Q7:

```
/*
INSERT ALL
INTO newEmployees
VALUES (100, 'Patel', 'Ralph', 22333, 'rpatel@mail.com', 1, NULL, 'Sales Rep')
INTO newEmployees
VALUES (101, 'Denis', 'Betty', 33444, 'bdenis@mail.com', 4, NULL, 'Sales Rep')
INTO newEmployees
VALUES (102, 'Biri', 'Ben', 44555, 'bben@mail.com', 2, NULL, 'Sales Rep')
INTO newEmployees
VALUES (103, 'Newman', 'Chad', 66777, 'nchad@mail.com', 3, NULL, 'Sales Rep')
INTO newEmployees
VALUES (104, 'Ropeburn', 'Audrey', 77888, 'raudrey@mail.com', 1, NULL, 'Sales Rep')
Select * from dual;
COMMIT;
SELECT * FROM newEmployees;
--30 rows
*/
```

--Q8:

```
/*
UPDATE newEmployees
SET jobtitle = 'Unknown';
*/
```

--Q9:

```
/*
```

```

COMMIT;
*/

--Q10:
/*
ROLLBACK;
*/

--Q10a:
/*
SELECT * FROM newEmployees
WHERE jobtitle='Unknown';
    0 rows updated
*/

--b:
/*
No
*/

--c:
/*
IT WORKED FINE ON TASK CAUSE COMPLETED TASKS WERE NOT SAVED PERMANENTLY BUT IN THIS TASK I SAVED THOSE PERMANENTLY BY USING
COMMIT COMMAND WHICH IS WHY ROLLBACK DIDNOT WORK HERE.
*/

--Q11:
/*
BEGIN TRANSACTION;
DELETE TABLE newEmployees;
*/

--Q12:
/*
CREATE VIEW vwNewEmps AS
SELECT * FROM newemployees
ORDER BY lastname, firstname;
*/

--Q13:
/*
ROLLBACK;
*/

--a:
/*
30
*/

--b:
/*
WE FOUND ROLLBACK AS EFFECTIVE CAUSE DELETE IS A DML STATEMENT.
*/

--Q14:
/*
BEGIN TRANSACTION[
INSERT ALL
INTO newEmployees VALUES (100, 'Patel', 'Ralph', 22333, 'rpatel@mail.com', 1, NULL, 'Sales Rep')
INTO newEmployees VALUES (101, 'Denis', 'Betty', 33444, 'bdenis@mail.com', 4, NULL, 'Sales Rep')
INTO newEmployees VALUES (102, 'Biri', 'Ben', 44555, 'bbirir@mail.com', 2, NULL, 'Sales Rep')
INTO newEmployees VALUES (103, 'Newman', 'Chad', 66777, 'cnewman@mail.com', 3, NULL, 'Sales Rep')
INTO newEmployees VALUES (104, 'Ropeburn', 'Audry', 77888, 'aropebur@mail.com', 1, NULL, 'Sales Rep');
*/

--Q15:
/*
SAVEPOINT insertion;
*/

--Q16:
/*
UPDATE newEmployees
SET jobtitle = 'Unknown';

--Q17:
/*
ROLLBACK TO insertion;
SELECT * FROM newEmployees;
It rolled back the data after the savepoint was created
*/

--Q18:
/*

```

**/*

--Q19:

*/**

REVOKE ALL ON newemployees FROM public;

**/*

--Q20:

*/**

GRANT READ ON newemployees TO dbs211_202e21;

**/*

--Q21:

*/**

GRANT INSERT, UPDATE, DELETE ON newemployees TO dbs211_202e21;

**/*

--Q22:

*/**

REVOKE ALL ON newEmployees FROM dbs211_202e21;

**/*

--Q23:

*/**

DROP TABLE newEmployees PURGE;

DROP VIEW vwNewEmps;

**/*