```sql
/* group 14-
members; patel vrundaben vijaykumar, Abbas Sajjad Hussein, ben liu
lab 4
date- 30/9/2023*

/*
QN 1 (by Abbas Hussein)
*/
CREATE TABLE employee2 AS
SELECT
    *
FROM
    employees;
/*
QN 2 (by Abbas Hussein)
*/
ALTER TABLE employee2 ADD username VARCHAR(25);
/*
QN 3 (by Abbas Hussein)
*/
DELETE
FROM
    employee2;

-- Question 4 by Ben Liu
INSERT INTO
    employee2
    SELECT
        employeenumber,
        lastname,
        firstname,
        extension,
        email,
        officecode,
        reportsto,
        jobtitle
    FROM
        employees;
ALTER TABLE employee2 ADD CONSTRAINT emp2_office_fk FOREIGN key (officecode) REFERENCES offices (officecode);
ALTER TABLE employee2 ADD CONSTRAINT emp2_rtemp_fk FOREIGN key (reportsto) REFERENCES employee2 (reportsto);

-- Question 5 by Ben Liu
INSERT INTO
    employee2(employeenumber, lastname, firstname, extension, email, officecode, reportsto, jobtitle, username)
VALUES
    (
(
        SELECT
            MAX(employeenumber) + 1
        FROM
            employee2),
        'Liu',
        'Ben',
        'x2222',
        'bliu93@myseneca.ca',
        'Cashier',
        '4',
        (
            SELECT
                employeenumber
            FROM
                employee2
            WHERE
                employeenumber = 1088
        )
,
        NULL
    )
;

-- Question 6 by Ben Liu
SELECT
    *
FROM
    employee2
WHERE
    lastname = 'Liu'
    AND firstname = 'Ben'
    AND email = 'bliu93@myseneca.ca';

--no.7(done by patel vrunda)
UPDATE
    employee2
SET
    jobtitle = 'Head Cashier'
WHERE
```

```sql
        firstname = 'vrunda'
    AND lastname = 'patel';

--no.8(done by patel vrunda)
INSERT INTO
    employee2 (employeenumber, lastname, firstname, extension, email, officecode, reportsto, jobtitle, username)
VALUES
    (
(
        SELECT
            MAX(employeenumber) + 1
        FROM
            employee2),
            'fakeLastname',
            'fakeFirstname',
            'fake12@myseneca.ca',
            'x1111',
            'Cashier',
            4,
            (
                SELECT
                    employeenumber
                FROM
                    employee2
                WHERE
                    firstname = 'vrunda'
                    AND lastname = 'patel'
            )
,
            NULL
    )
;

--no.9(done by patel vrunda)
DELETE
FROM
    employee2
WHERE
    firstname = 'vrunda'
    AND lastname = 'patel';
--yes, it did nto work, because i think many other tasks depends on this data and thats why its not allowing to delete

/*
QN 10 (by Abbas Hussein)
*/
DELETE
FROM
    employee2
WHERE
    firstname = 'fakeFirstname'
    AND lastname = 'fakeLastname';
/*
Yes it worked by reruning the statement. This was due to the deletion of the fake employee data
because it was a dependent towards my employee data hence I could not delete myself first but now I can.
*/
/*
QN 11 (by Abbas Hussein)
*/
INSERT INTO
    employee2 (employeenumber, lastname, firstname, extension, email, officecode, reportsto, jobtitle, username)
VALUES
    (
        1492,
        'Hussein',
        'Abbas',
        'x2222',
        'ashussein1@myseneca.ca',
        4,
        1088,
        'Cashier',
        NULL
    )
,
    (
        1702,
        'fakeLastname',
        'fakeFirstname',
        'x1111',
        'fake12@myseneca.ca',
        4,
        1088,
        'Cashier',
        NULL
    )
;

-- Question 12 by Ben Liu
```

```sql
DELETE
FROM
    employee2
WHERE
    employeenumber =
    (
        SELECT
            MAX(employeenumber)
    )
    OR employeenumber =
    (
        SELECT
            MAX(employeenumber - 1)
    )
;

-- Question 13 by Ben Liu
UPDATE
    employee2
SET
    username = LOWER(substr(first_name, 1, 1)  ||  last_name);

-- no.14(done by patel vrunda)
DELETE
FROM
    employee2
WHERE
    officecode = 4;

-- no.15(done by patel vrunda)
drop table employee2
```