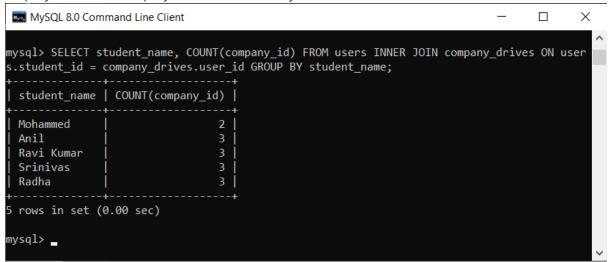1. Create tables for the above list given
2. Insert at least 5 rows of values in each table

```
MySQL 8.0 Command Line Client                                    —    □    ×

mysql> CREATE DATABASE zen;
Query OK, 1 row affected (0.01 sec)

mysql> CREATE TABLE users(student_id int, student_name varchar(45), mentor_id int);
Query OK, 0 rows affected (0.05 sec)

mysql> INSERT INTO users VALUES (101, 'Mohammed', 202), (102, 'Radha', 201), (103, 'Anil',
 201), (104, 'Ravi Kumar', 201), (105, 'Srinivas', 202);
Query OK, 5 rows affected (0.01 sec)
Records: 5  Duplicates: 0  Warnings: 0

mysql>
```
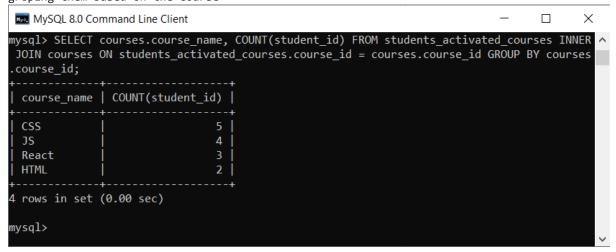
```
MySQL 8.0 Command Line Client                                    —    □    ×

mysql> CREATE TABLE codekata (user_id int, noOfPoblemsSolved int);
Query OK, 0 rows affected (0.02 sec)

mysql> INSERT INTO codekata VALUES (101, 50), (102, 80), (103, 75), (104, 95), (105, 62);
Query OK, 5 rows affected (0.02 sec)
Records: 5  Duplicates: 0  Warnings: 0

mysql>
```

```
MySQL 8.0 Command Line Client                                    —    □    ×

mysql> CREATE TABLE company_drives (company_id int, user_id int);
Query OK, 0 rows affected (0.03 sec)

mysql> INSERT INTO company_drives VALUES (501, 101), (501, 103), (501, 104), (501, 105), (
502, 103), (502, 104), (503, 102), (503, 104), (503, 105), (504, 101), (504, 102), (504, 1
05), (505, 102), (505, 103);
Query OK, 14 rows affected (0.01 sec)
Records: 14  Duplicates: 0  Warnings: 0
```

```
MySQL 8.0 Command Line Client                                    —    □    ×

mysql> CREATE TABLE students_activated_courses (student_id int, course_id int);
Query OK, 0 rows affected (0.05 sec)

mysql> INSERT INTO students_activated_courses VALUES (101, 902), (101, 903), (101, 904), (
102, 901), (102, 902), (102, 903), (103, 902), (103, 904), (104, 901), (104, 902), (104, 9
03), (105, 902), (105, 903), (105, 904);
Query OK, 14 rows affected (0.01 sec)
Records: 14  Duplicates: 0  Warnings: 0

mysql>
```

```
MySQL 8.0 Command Line Client                                    —    □    ✕

mysql> CREATE TABLE courses (course_id int, course_name varchar(15));
Query OK, 0 rows affected (0.04 sec)

mysql> INSERT INTO courses VALUES (901, "HTML"), (902, "CSS"),(903, "JS"), (904, "React");

Query OK, 4 rows affected (0.01 sec)
Records: 4  Duplicates: 0  Warnings: 0

mysql>
```

```
MySQL 8.0 Command Line Client                                    —    □    ✕

mysql> CREATE TABLE mentors (mentor_id int, mentor_name varchar(25));
Query OK, 0 rows affected (0.03 sec)

mysql> INSERT INTO mentors VALUES (201, "Ragav"), (202, "Banu");
Query OK, 2 rows affected (0.01 sec)
Records: 2  Duplicates: 0  Warnings: 0

mysql>
```

```
MySQL 8.0 Command Line Client                                    —    □    ✕

mysql> CREATE TABLE attendance (day int, user_id int);
Query OK, 0 rows affected (0.05 sec)

mysql> INSERT INTO attendance VALUES (1, 101), (1, 102), (1, 103), (1, 104), (2, 101), (2, 102),
 (2, 104), (2, 105), (3, 101), (3, 102), (3, 105), (4, 102), (4, 104), (4, 105), (5, 102), (5, 1
03), (5, 104);
Query OK, 17 rows affected (0.02 sec)
Records: 17  Duplicates: 0  Warnings: 0

mysql>
```

```
MySQL 8.0 Command Line Client                                    —    □    ✕

mysql> CREATE TABLE tasks (zen_task_id int, submitted_user_id int, marks int);
Query OK, 0 rows affected (0.03 sec)

mysql> INSERT INTO tasks VALUES (901, 101, 8), (901, 102, 7), (901, 103, 9), (902, 101, 6), (902
, 102, 9), (902, 104, 8), (902, 105, 8), (903, 101, 7), (903, 102, 7), (903, 105, 9), (904, 102,
 6), (904, 104, 7), (904, 105, 9), (905, 102, 8), (905, 103, 8), (905, 104, 7);
Query OK, 16 rows affected (0.01 sec)
Records: 16  Duplicates: 0  Warnings: 0

mysql>
```

3. Get number problems solved in codekata by combining the users

```
MySQL 8.0 Command Line Client                                    —    □    ✕

mysql> SELECT SUM(noOfPoblemsSolved) FROM codekata;
+------------------------+
| SUM(noOfPoblemsSolved) |
+------------------------+
|                    362 |
+------------------------+
1 row in set (0.00 sec)

mysql>
```

4. Display the no of company drives attended by a user

```
MySQL 8.0 Command Line Client                                    —    □    ✕

mysql> SELECT student_name, COUNT(company_id) FROM users INNER JOIN company_drives ON user
s.student_id = company_drives.user_id GROUP BY student_name;
+--------------+-------------------+
| student_name | COUNT(company_id) |
+--------------+-------------------+
| Mohammed     |                 2 |
| Anil         |                 3 |
| Ravi Kumar   |                 3 |
| Srinivas     |                 3 |
| Radha        |                 3 |
+--------------+-------------------+
5 rows in set (0.00 sec)

mysql>
```

5. Combine and display students_activated_courses and courses for a specific user
   groping them based on the course

```
MySQL 8.0 Command Line Client                                    —    □    ✕

mysql> SELECT courses.course_name, COUNT(student_id) FROM students_activated_courses INNER
 JOIN courses ON students_activated_courses.course_id = courses.course_id GROUP BY courses
.course_id;
+-------------+-------------------+
| course_name | COUNT(student_id) |
+-------------+-------------------+
| CSS         |                 5 |
| JS          |                 4 |
| React       |                 3 |
| HTML        |                 2 |
+-------------+-------------------+
4 rows in set (0.00 sec)

mysql>
```

6. list all the mentors

```
MySQL 8.0 Command Line Client                                    —    □    ✕

mysql> SELECT * FROM mentors;
+-----------+-------------+
| mentor_id | mentor_name |
+-----------+-------------+
|       201 | Ragav       |
|       202 | Banu        |
+-----------+-------------+
2 rows in set (0.00 sec)
```

7. list the number of students that are assigned for a mentor