Create customer(Roll_no) and Employee(Roll_no) tables as specified….

```
mysql> CREATE TABLE Customer
    -> (
    ->     first_name varchar(20),
    ->     last_name varchar(20)
    -> );
Query OK, 0 rows affected (0.06 sec)

mysql> INSERT INTO Customer VALUES
    -> ("Stephen", "Jones"),
    -> ("Mark", "Smith"),
    -> ("Denise", "King"),
    -> ("Paula", "Johnson"),
    -> ("Richard", "Archer");
Query OK, 5 rows affected (0.02 sec)
Records: 5  Duplicates: 0  Warnings: 0
```

```
mysql> CREATE TABLE Employee
    -> (
    ->     first_name varchar(20),
    ->     last_name varchar(20)
    -> );
Query OK, 0 rows affected (0.02 sec)

mysql> INSERT INTO Employee VALUES
    -> ("Christina", "Jones"),
    -> ("Michael", "McDonald"),
    -> ("Paula", "Johnson"),
    -> ("Stephen", "Jones"),
    -> ("Richard", "Smith");
Query OK, 5 rows affected (0.01 sec)
Records: 5  Duplicates: 0  Warnings: 0
```

QUERY 1. Display the details all customer and employee records.

```
mysql> SELECT * FROM Customer
    -> UNION ALL
    -> SELECT * FROM Employee;
+------------+-----------+
| first_name | last_name |
+------------+-----------+
| Stephen    | Jones     |
| Mark       | Smith     |
| Denise     | King      |
| Paula      | Johnson   |
| Richard    | Archer    |
| Christina  | Jones     |
| Michael    | McDonald  |
| Paula      | Johnson   |
| Stephen    | Jones     |
| Richard    | Smith     |
+------------+-----------+
10 rows in set (0.01 sec)
```

QUERY 2. Display the details all customer and employee records. Also,

a. Add a value for record_type field called ‘Customer’ if data coming from Customer table and ‘Employee’ if data coming from Employee table

```
mysql> SELECT first_name, last_name, 'Customer' as record_type FROM Customer_21co56
    -> UNION ALL
    -> SELECT first_name, last_name, 'Employee' as record_type FROM Employee_21co56;
+------------+-----------+-------------+
| first_name | last_name | record_type |
+------------+-----------+-------------+
| Stephen    | Jones     | Customer    |
| Mark       | Smith     | Customer    |
| Denise     | King      | Customer    |
| Paula      | Johnson   | Customer    |
| Richard    | Archer    | Customer    |
| Christina  | Jones     | Employee    |
| Michael    | McDonald  | Employee    |
| Paula      | Johnson   | Employee    |
| Stephen    | Jones     | Employee    |
| Richard    | Smith     | Employee    |
+------------+-----------+-------------+
10 rows in set (0.00 sec)
```

b. Order the data by record_type, last_name, first_name;

```
mysql> SELECT first_name, last_name, 'Customer' as record_type FROM Customer_21co56
    -> UNION ALL
    -> SELECT first_name, last_name, 'Employee' as record_type FROM Employee_21co56
    -> ORDER BY record_type, last_name, first_name;
+------------+-----------+-------------+
| first_name | last_name | record_type |
+------------+-----------+-------------+
| Richard    | Archer    | Customer    |
| Paula      | Johnson   | Customer    |
| Stephen    | Jones     | Customer    |
| Denise     | King      | Customer    |
| Mark       | Smith     | Customer    |
| Paula      | Johnson   | Employee    |
| Christina  | Jones     | Employee    |
| Stephen    | Jones     | Employee    |
| Michael    | McDonald  | Employee    |
| Richard    | Smith     | Employee    |
+------------+-----------+-------------+
10 rows in set (0.00 sec)
```

QUERY 3. Display the details all customer and employee records where the first name is Richard.

```
mysql> SELECT * FROM Customer_21co56 WHERE first_name = "Richard"
    -> UNION ALL
    -> SELECT * FROM Employee_21co56 WHERE first_name = "Richard";
+------------+-----------+
| first_name | last_name |
+------------+-----------+
| Richard    | Archer    |
| Richard    | Smith     |
+------------+-----------+
2 rows in set (0.01 sec)
```

QUERY 4. Display the details all customer and employee records without removing duplicates(union all)

```
mysql> SELECT * FROM Customer_21co56
    -> UNION ALL
    -> SELECT * FROM Employee_21co56;
+------------+-----------+
| first_name | last_name |
+------------+-----------+
| Stephen    | Jones     |
| Mark       | Smith     |
| Denise     | King      |
| Paula      | Johnson   |
| Richard    | Archer    |
| Christina  | Jones     |
| Michael    | McDonald  |
| Paula      | Johnson   |
| Stephen    | Jones     |
| Richard    | Smith     |
+------------+-----------+
10 rows in set (0.00 sec)
```

QUERY 5. Find all names (both first name and last name) in the customer table that don't exist in the employee table.(minus)

```
mysql> SELECT * FROM Customer_21co56
    -> EXCEPT
    -> SELECT * FROM Employee_21co56;
+------------+-----------+
| first_name | last_name |
+------------+-----------+
| Mark       | Smith     |
| Denise     | King      |
| Richard    | Archer    |
+------------+-----------+
3 rows in set (0.01 sec)
```

QUERY 6. Find all names that are in both the customer and employee table.(intersect)

```
mysql> SELECT * FROM Customer_21co56
    -> INTERSECT
    -> SELECT * FROM Employee_21co56;
+------------+-----------+
| first_name | last_name |
+------------+-----------+
| Stephen    | Jones     |
| Paula      | Johnson   |
+------------+-----------+
2 rows in set (0.00 sec)
```