Answer Script

Question No. 01
Customers (id, Name), Orders (id, customerId) We have these two tables. Give me the names of the customers who never ordered. 25
Answer No. 01
SELECT customers.name AS 'Customers' FROM customers WHERE customers.id NOT IN (SELECT customerid FROM orders);

Question No. 02

Following tables are given. Delete the rows of duplicate emails.   25

Person

```
+-------------+---------+
| Column Name | Type    |
+-------------+---------+
| id          | int     |
| email       | varchar |
+-------------+---------+
```

```
Input:
Person table:
+----+-------------------+
| id | email             |
+----+-------------------+
| 1  | john@example.com  |
| 2  | bob@example.com   |
| 3  | john@example.com  |
+----+-------------------+
Output:
+----+-------------------+
| id | email             |
+----+-------------------+
| 1  | john@example.com  |
| 2  | bob@example.com   |
+----+-------------------+
```

Answer No. 02

```
DELETE per1
FROM Person per1, Person per2
WHERE per1.Email = per2.Email AND per1.Id > per2.Id
```

Question No. 03

Look at the following table   25

```
+---------------+----------+
| Column Name   | Type     |
+---------------+----------+
| id            | int      |
| recordDate    | date     |
| temperature   | int      |
+---------------+----------+
id is the primary key for this table.
This table contains information about the temperature
on a certain day.
```

Write an SQL query to find all dates' Id with higher temperatures
compared to its previous dates (yesterday).

```
Input:
Weather table:
+----+------------+-------------+
| id | recordDate | temperature |
+----+------------+-------------+
| 1  | 2015-01-01 | 10          |
| 2  | 2015-01-02 | 25          |
| 3  | 2015-01-03 | 20          |
| 4  | 2015-01-04 | 30          |
+----+------------+-------------+
Output:
+----+
| id |
+----+
| 2  |
| 4  |
+----+
Explanation:
In 2015-01-02, the temperature was higher than the
previous day (10 -> 25).
In 2015-01-04, the temperature was higher than the
previous day (20 -> 30).
```

Answer No. 03

SELECT w1.id AS 'Id'
FROM weather w1 JOIN weather w2
ON DATEDIFF(w1.recordDate, w2.recordDate) = 1
AND w1.Temperature > w2.Temperature;

Question No. 04
From the HR Database, determine the second highest salary of an employee.   25
Answer No. 04
SELECT salary   FROM employees   GROUP BY salary   ORDER BY salary DESC   LIMIT 1 OFFSET 1;