

WEEK 2 - SESSION 9 :

```
mysql> DROP TABLE Employees
```

```
-> ;
```

```
Query OK, 0 rows affected (0.04 sec)
```

```
mysql> CREATE TABLE Employees (
```

```
-> emp_id INT PRIMARY KEY AUTO_INCREMENT,
```

```
-> name VARCHAR(100),
```

```
-> email VARCHAR(100),
```

```
-> mobile VARCHAR(20),
```

```
-> phone VARCHAR(20),
```

```
-> department VARCHAR(50),
```

```
-> join_date DATE
```

```
-> );
```

```
Query OK, 0 rows affected (0.04 sec)
```

```
mysql> INSERT INTO Employees (name, email, mobile, phone, department, join_date) VALUES
```

```
-> ('raHul kumAr', 'rahul@gmail.com', '98765-43210', NULL, 'CSE', '2020-02-01'),
```

```
-> ('ANANYA sharma', 'ananya@gmail.com', NULL, '987 654 3211', 'ISE', '2019-01-15'),
```

```
-> ('kiRan REDDY', 'kiran@gmail.com', '98-7654-3212', NULL, 'CSE', '2018-03-10'),
```

```
-> ('SneHa patel', 'sneha@gmail.com', NULL, '987654-3213', 'ECE', '2021-07-20'),
```

```
-> ('arJun singh', 'arjun@gmail.com', '9876543214', NULL, 'ME', '2017-06-05');
```

```
Query OK, 5 rows affected (0.02 sec)
```

```
Records: 5 Duplicates: 0 Warnings: 0
```

```
mysql> SELECT
```

```
-> email,
```

```
-> CONCAT(SUBSTRING_INDEX(email, '@', 1), '123') AS default_password
```

```
-> FROM Employees;
```

```
+-----+-----+
| email      | default_password |
+-----+-----+
| rahul@gmail.com | rahul123      |
| ananya@gmail.com | ananya123     |
| kiran@gmail.com | kiran123      |
| sneha@gmail.com | sneha123      |
| arjun@gmail.com | arjun123      |
+-----+-----+
```

```
5 rows in set (0.00 sec)
```

```
mysql> SELECT
```

```
-> name,
```

```
-> REGEXP_REPLACE(COALESCE(mobile, phone), '[^0-9]', '') AS cleaned_contact
```

```
-> FROM Employees;
```

```
+-----+-----+
| name      | cleaned_contact |
+-----+-----+
| raHul kumAr | 9876543210     |
| ANANYA sharma | 9876543211     |
| kiRan REDDY | 9876543212     |
| SneHa patel | 9876543213     |
| arJun singh | 9876543214     |
+-----+-----+
```

```
5 rows in set (0.02 sec)
```

```
mysql> SELECT
```

```
-> name AS original_name,
```

```
-> CONCAT(
```

```
-> UPPER(SUBSTRING(name,1,1)),
```

```
-> LOWER(SUBSTRING(name,2))
-> ) AS normalized_name
-> FROM Employees;
```

```
+-----+-----+
| original_name | normalized_name |
+-----+-----+
| raHul kumAr  | Rahul kumar    |
| ANANYA sharma | Ananya sharma  |
| kiRan REDDY  | Kiran reddy    |
| SneHa patel  | Sneha patel    |
| arJun singh  | Arjun singh    |
+-----+-----+
5 rows in set (0.01 sec)
```

```
mysql> SELECT
-> name,
-> COALESCE(mobile, phone, email) AS preferred_contact
-> FROM Employees;
```

```
+-----+-----+
| name          | preferred_contact |
+-----+-----+
| raHul kumAr  | 98765-43210      |
| ANANYA sharma | 987 654 3211     |
| kiRan REDDY  | 98-7654-3212     |
| SneHa patel  | 987654-3213      |
| arJun singh  | 9876543214       |
+-----+-----+
5 rows in set (0.00 sec)
```

```
mysql> SELECT
-> department,
-> AVG(TIMESTAMPDIFF(YEAR, join_date, CURDATE())) AS avg_experience_years
-> FROM Employees
-> GROUP BY department;
```

```
+-----+-----+
| department | avg_experience_years |
+-----+-----+
| CSE        | 6.5000              |
| ISE        | 7.0000              |
| ECE        | 4.0000              |
| ME         | 8.0000              |
+-----+-----+
4 rows in set (0.00 sec)
```

```
mysql>
```