

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>
```