

## WEEK 2 - SESSION 7

```
mysql> CREATE TABLE Projects (
->   project_id INT PRIMARY KEY,
->   project_name VARCHAR(50),
->   start_date DATE,
->   end_date DATE,
->   created_at DATE
-> );
```

Query OK, 0 rows affected (0.03 sec)

```
mysql> INSERT INTO Projects VALUES
-> (1, 'Website Development', '2026-02-01', '2026-02-20', '2026-02-01'),
-> (2, 'Mobile App', '2026-01-10', '2026-02-15', '2026-01-11'),
-> (3, 'Database Design', '2026-02-05', '2026-02-25', '2026-02-08'),
-> (4, 'Testing', '2026-02-07', '2026-02-28', '2026-02-09'),
-> (5, 'Deployment', '2026-02-08', '2026-03-05', '2026-02-10');
```

Query OK, 5 rows affected (0.01 sec)

Records: 5 Duplicates: 0 Warnings: 0

```
mysql> SELECT project_name,
-> DATEDIFF(end_date, start_date) AS Total_Days
-> FROM Projects;
```

project_name	Total_Days
Website Development	19
Mobile App	36
Database Design	20
Testing	21
Deployment	25

5 rows in set (0.01 sec)

```
mysql> SELECT project_name,
-> DATE_ADD(start_date, INTERVAL 30 DAY) AS Expiry_Date
-> FROM Projects;
```

project_name	Expiry_Date
Website Development	2026-03-03
Mobile App	2026-02-09
Database Design	2026-03-07
Testing	2026-03-09
Deployment	2026-03-10

5 rows in set (0.00 sec)

```
mysql> SELECT DATE_SUB(CURDATE(), INTERVAL 7 DAY) AS Date_Before_7_Days;
```

Date_Before_7_Days
2026-02-03

1 row in set (0.00 sec)

```
mysql>
mysql> SELECT * FROM Projects
-> WHERE DAYOFWEEK(created_at) IN (1,7);
```

project_id	project_name	start_date	end_date	created_at
1	Website Development	2026-02-01	2026-02-20	2026-02-01
3	Database Design	2026-02-05	2026-02-25	2026-02-08
4	Testing	2026-02-07	2026-02-28	2026-02-09
5	Deployment	2026-02-08	2026-03-05	2026-02-10

```
| project_id | project_name      | start_date | end_date   | created_at |
+-----+-----+-----+-----+
| 1 | Website Development | 2026-02-01 | 2026-02-20 | 2026-02-01 |
| 2 | Mobile App          | 2026-01-10 | 2026-02-15 | 2026-01-11 |
| 3 | Database Design     | 2026-02-05 | 2026-02-25 | 2026-02-08 |
+-----+-----+-----+-----+
3 rows in set (0.01 sec)
```

```
mysql> SELECT
-> STR_TO_DATE('15-02-2026', '%d-%m-%Y') AS Converted_Date;
+-----+
| Converted_Date |
+-----+
| 2026-02-15 |
+-----+
1 row in set (0.01 sec)
```

```
mysql> SELECT
-> MONTHNAME(STR_TO_DATE('15-02-2026', '%d-%m-%Y')) AS Month_Name;
+-----+
| Month_Name |
+-----+
| February |
+-----+
1 row in set (0.01 sec)
```

```
mysql>
```