

## subtraction operation

### Create the sales Table-1

```
mysql> CREATE TABLE sales (  
->     sale_id INT,  
->     product VARCHAR(50),  
->     revenue DECIMAL(10, 2),  
->     cost DECIMAL(10, 2)  
-> );  
Query OK, 0 rows affected (0.04 sec)
```

```
mysql> show tables;  
+-----+  
| Tables_in_day_2 |  
+-----+  
| sales           |  
+-----+  
1 row in set (0.00 sec)
```

### Insert DATA -2

```
mysql> INSERT INTO sales (sale_id, product, revenue, cost) VALUES  
-> (1, 'Product A', 100.00, 70.00),  
-> (2, 'Product B', 200.00, 120.00),  
-> (3, 'Product C', 150.00, 90.00),  
-> (4, 'Product D', 300.00, 200.00);  
Query OK, 4 rows affected (0.02 sec)  
Records: 4  Duplicates: 0  Warnings: 0
```

```
mysql> select * from sales;  
+-----+-----+-----+-----+  
| sale_id | product   | revenue | cost   |  
+-----+-----+-----+-----+  
| 1       | Product A | 100.00  | 70.00  |  
| 2       | Product B | 200.00  | 120.00 |  
| 3       | Product C | 150.00  | 90.00  |  
| 4       | Product D | 300.00  | 200.00 |  
+-----+-----+-----+-----+  
4 rows in set (0.00 sec)
```

## Perform Subtraction to Calculate Profit;

```
mysql> SELECT
->     sale_id,
->     product,
->     revenue,
->     cost,
->     revenue - cost AS profit
-> FROM
->     sales;
```

sale_id	product	revenue	cost	profit
1	Product A	100.00	70.00	30.00
2	Product B	200.00	120.00	80.00
3	Product C	150.00	90.00	60.00
4	Product D	300.00	200.00	100.00

4 rows in set (0.01 sec)

## Subtract a Fixed Value from the revenue Column;

```
mysql> SELECT
->     sale_id,
->     product,
->     revenue,
->     revenue - 10 AS discounted_revenue
-> FROM
->     sales;
```

sale_id	product	revenue	discounted_revenue
1	Product A	100.00	90.00
2	Product B	200.00	190.00
3	Product C	150.00	140.00
4	Product D	300.00	290.00

4 rows in set (0.00 sec)

## Subtract the Average Cost from Each Cost;

```
mysql> SELECT
->     sale_id,
->     product,
->     cost,
->     cost - (SELECT AVG(cost) FROM sales) AS cost_difference
-> FROM
->     sales;
```

sale_id	product	cost	cost_difference
1	Product A	70.00	-50.000000
2	Product B	120.00	0.000000
3	Product C	90.00	-30.000000
4	Product D	200.00	80.000000

```
4 rows in set (0.02 sec)

mysql>
```