TASK8

1. Create Database and Table

```
CREATE DATABASE task8_demo;
USE task8_demo;

CREATE TABLE products (
   product_id INT PRIMARY KEY AUTO_INCREMENT,
   product_name VARCHAR(50),
   price DECIMAL(10,2)
);
```

2. Insert record

```
INSERT INTO products (product_name, price) VALUES
('Pen', 10.00),
('Notebook', 50.00),
('Bag', 500.00),
('Bottle', 150.00);
```

Output

SELECT * FROM products;

product_id	product_name	price
1	Pen	10.00
2	Notebook	50.00
3	Bag	500.00
4	Bottle	150.00

3. Stored Procedure

```
DELIMITER $$

CREATE PROCEDURE increase_price(
   IN min_price DECIMAL(10,2),
   IN increase_percent DECIMAL(5,2)
)
BEGIN
   UPDATE products
   SET price = price + (price * increase_percent / 100)
   WHERE price >= min_price;
END $$
```

```
DELIMITER ;
```

Run the Procedure

```
CALL increase_price(100, 10);
```

Output:

product_id	product_name	price
1	Pen	10.00
2	Notebook	50.00
3	Bag	550.00
4	Bottle	165.00

4. Function

```
DELIMITER $$

CREATE FUNCTION discount_price(
    original_price DECIMAL(10,2),
    discount_percent DECIMAL(5,2)
)
RETURNS DECIMAL(10,2)
DETERMINISTIC
BEGIN
    RETURN original_price - (original_price * discount_percent / 100);
END $$

DELIMITER ;
```

Run the Function

```
SELECT
    product_name,
    price AS current_price,
    discount_price(price, 15) AS price_after_discount
FROM products;
```

product_name	current_price	price_after_discount
Pen	10.00	8.50
Notebook	50.00	42.50
Bag	550.00	467.50
Bottle	165.00	140.25