Assignment 4

Compose SQL statements to BEGIN a transaction, INSERT a new record into the 'orders' table, COMMIT the transaction, then UPDATE the 'products' table, and ROLLBACK the transaction.

ANS:

```sql
CREATE DATABASE product;

USE product;

CREATE TABLE Order2 (
    product_id INT PRIMARY KEY,
    product_name VARCHAR(255),
    price DECIMAL(10, 2),
    stock INT
);
DESCRIBE Order2;
INSERT INTO Order2 (product_id, product_name, price, stock)
VALUES (1, 'Product A', 25.00, 100),
       (2, 'Product B', 45.00, 200),
       (3, 'Product C', 15.00, 300),
       (4, 'Product D', 95.00, 400);
SELECT * FROM Order2;
START TRANSACTION;
SAVEPOINT inicial;
INSERT INTO Order2 VALUES (5, 'Product E', 65.00, 500);
SELECT * FROM Order2;
UPDATE Order2
SET stock = stock - 10
WHERE product_id = 1;
SAVEPOINT updateval;
SELECT * FROM Order2;
ROLLBACK TO inicial;
SELECT * FROM Order2;
COMMIT;

SELECT * FROM Order2;
```