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:

BEGIN;

INSERT INTO orders (order_id, customer_id, product_id, quantity, order_date)

VALUES (8, 1, 101, 2, '2024-02-15');

COMMIT;

BEGIN;

UPDATE product

SET product_price = product_price * 1.1 -- Increasing price by 10%

WHERE product_id = 101;

ROLLBACK;

```
BEGIN;
INSERT INTO orders (order_id, customer_id, product_id, quantity, order_date)
VALUES (8, 1, 101, 2, '2024-02-15');
COMMIT;
BEGIN;
UPDATE product
SET product_price = product_price * 1.1  -- Increasing price by 10%
WHERE product_id = 101;
select * from orders;

ROLLBACK;
```

```
-- 1. retrive all the orders with customer and product details
select o.order_id,c.customer_id,p.product_id,o.quantity,o.order_date from orders o
```

Output

Time	Action	Message	Duration / Fetch
22:04:42	COMMIT	0 row(s) affected	0.015 sec
22:05:42	BEGIN	0 row(s) affected	0.000 sec
22:05:42	UPDATE product SET product_price = product_price * 1.1 -- Increasing price by 10% WHERE product_id = 1...	1 row(s) affected, 1 warning(s): 1265 Data truncated for column 'product_price' at row 1 Rows matched: 1 Cha...	0.015 sec
22:06:28	select * from product LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
22:07:09	select * from orders LIMIT 0, 1000	8 row(s) returned	0.000 sec / 0.000 sec
22:07:43	ROLLBACK	0 row(s) affected	0.000 sec