

Project Deadline-5

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Trigger 1

```
delimiter//  
CREATE TRIGGER delete_reln  
AFTER UPDATE ON product  
FOR EACH ROW  
BEGIN  
    IF NEW.Product_quantity = 0 THEN  
        DELETE FROM belongs_to WHERE product_id = NEW.Product_id;  
    END IF;  
END//
```

Trigger 2

```
delimiter//  
  
CREATE TRIGGER new_user_bonus  
AFTER INSERT ON user  
FOR EACH ROW  
BEGIN  
    DECLARE phone_count INT;  
    SET phone_count = (SELECT COUNT(*) FROM user WHERE Customer_number =  
                        NEW.Customer_number);  
  
    IF phone_count = 1 THEN  
        INSERT INTO COUPONS (Customer_id, Coupon_discount,Coupon_expiry,Coupon_min_Order)  
            VALUES (NEW.Customer_id, 10, date(CURDATE() + 100), 1000);  
    END IF;  
END//
```

Verification Queries

```
select * from coupons;  
  
INSERT INTO user (`Customer_id`, `Customer_name`, `Customer_password`, `Customer_number`,  
                `Customer_address`, `isPremium_subscriber`, `Age`) VALUES ({5}, 'Dr. Candelario ', 'dolr',  
                '9812219362', '46334 Buckridge Lodge Suite 189\nWest Russel, HI 90933', {0}, {33});  
  
select * from coupons;  
  
select * from belongs_to;  
  
update product set Product_quantity={0} where Product_id={94};  
  
select * from belongs_to;
```

OLAP-1

```
SELECT
    Delivery_partner.Partner_id,
    COUNT(*) AS total_deliveries,
    SUM(CASE WHEN Tracking_Status = 'Delivered' THEN 1 ELSE 0 END) AS deliveries_completed,
    SUM(CASE WHEN Tracking_Status = 'In Transit' THEN 1 ELSE 0 END) AS deliveries_in_transit,
    SUM(CASE WHEN Tracking_Status = 'Pending' THEN 1 ELSE 0 END) AS deliveries_cancelled
FROM
    Delivery
    JOIN orders ON Delivery.Order_id = orders.Order_id
    JOIN Delivery_partner ON Delivery.Partner_id = Delivery_partner.Partner_id
GROUP BY
    Delivery_partner.Partner_id
WITH ROLLUP;
```

OLAP-2

```
SELECT p.Product_type, SUM(o.Order_price) AS total_sales
FROM
    PRODUCT p
    JOIN ORDERS o ON p.Product_id = o.Product_id
GROUP BY
    p.Product_type
WITH ROLLUP;
```

OLAP-3

```
SELECT Payment_mode, COUNT(*) AS Total_customers
FROM BILLING_DETAILS
GROUP BY Payment_mode
WITH ROLLUP;
```

OLAP-4

```
SELECT Product_type, AVG(Rating) AS Average_rating
FROM PRODUCT
GROUP BY Product_type;
```

OLAP-5

```
SELECT Customer_name, Customer_number, Customer_address, COUNT(*) AS total_users
FROM USER
GROUP BY Customer_name, Customer_number, Customer_address;
```

OLAP-6

```
SELECT product_id, SUM(product_quantity) AS Quant
FROM orders
GROUP BY product_id
ORDER BY Quant DESC;
```

Embedded Queries

```
SELECT * FROM Delivery_partner
```

```
update product p
set p.product_price=product_price + 20
where p.product_name = 'Eyedrops';
```