

Database queries

Querie 1: Report on inventory status at a specific date - 2022-01-03 in a store - 1.

```
SELECT pn.name, pn.product_type, p.Size, p.Type_of_the_product,
i.All_number + COALESCE(ord.s, 0)
FROM is_in_stock i
JOIN Product p ON i.ID_product = p.ID
JOIN Product_name pn ON pn.ID = p.ID_name
LEFT JOIN (
    SELECT p.ID AS ID, SUM(number_of_products) AS s
    FROM one_order o
    JOIN order_contains_product ocp ON ocp.Order_Number_of_the_order =
o.Number_of_the_order
    JOIN Product p ON ocp.ID_product_ = p.ID
    WHERE o.order_date >= '2022-01-04'
    GROUP BY p.ID
) AS ord ON p.ID = ord.ID
WHERE i.ID_shop = 1
```

Querie 2: Report on sales made during a specific time period - 2022-01-09, 2022-01-10.

```
select pn.name,p.Size,p.Type_of_the_product, group_concat(c.col separator '-')
as colours, orp.number_of_products, o.order_date
from Product_name pn,Product p, Colour_product c, order_contains_product
orp, one_order o
where p.ID=c.ID_product and pn.ID=p.ID_name and orp.ID_product_=p.ID and
orp.Order_Number_of_the_order=o.Number_of_the_order and
o.order_date<='2022-01-10' and o.order_date>='2022-01-09'
group by pn.name,p.Size,p.Type_of_the_product, o.order_date,
orp.number_of_products
order by o.order_date, pn.name
```

Querie 3: Report on deliveries made to a specific address during a certain time period. - 2022-01-02 , 2022-01-03

```
select sum(ocp.number_of_products), o.Delivery_address, o.order_date
from one_order o, order_contains_product ocp
where o.Number_of_the_order=ocp.Order_Number_of_the_order and
o.order_date>='2022-01-02' and o.order_date<='2022-01-03' and
o.Delivery_address is not NULL
group by o.order_date,o.Delivery_address
```

Querie 4: Report on profit realized from typical items in the inventory during a specific time period - 2022-01-02, 2022-01-03

```
select sum(ocp.number_of_products*(p.Price_with_profit-
p.Price_without_profit))
from one_order o, order_contains_product ocp, Product p
where o.order_date>='2022-01-02' and o.order_date<='2022-01-03' and
Regular_nomenclature='Yes' and
o.Number_of_the_order=ocp.Order_Number_of_the_order and
ocp.Id_product_=p.ID
```

Querie 5: Report on profit realized from atypical items in the inventory during a specific time period - 2022-01-10 u 2022-01-11

```
select sum(ocp.number_of_products*(p.Price_with_profit-
p.Price_without_profit))
from one_order o, order_contains_product ocp, Product p
where o.order_date>='2022-01-10' and o.order_date<='2022-01-11' and
Regular_nomenclature='No' and
o.Number_of_the_order=ocp.Order_Number_of_the_order and
ocp.Id_product_=p.ID
```