### שאילתות

1. האם ספר X נמצא במלאי של החנות ובמלאי של המחסן. אם כן, מצויין כמה עותקים של הספר נמצאים.

```
SELECT title, author, SUM(store_items.amount) AS store_amount, SUM(storage_items.amount) AS storage_amount
FROM yad_two_store.book_attributes

LEFT JOIN yad_two_store.store_items ON store_items.book_id = book_attributes.book_id

LEFT JOIN yad_two_store.storage_items ON storage_items.book_id = book_attributes.book_id

WHERE book_attributes.title = "Room for rent";
```

2. מי הוא הלקוח הוותיק ביותר? הלקוח שרכש ספר לפני הכי הרבה זמן.

```
SELECT MIN(trans_date) AS 'oldest_date', CONCAT(cust_fname, ' ', cust_lname) AS full_name, book_attributes.title, book_attributes.author
FROM yad_two_store.transactions

LEFT JOIN yad_two_store.transaction_details ON transaction_details.trans_id = transactions.trans_id

LEFT JOIN yad_two_store.customers ON customers.cust_id = transactions.cust_id

LEFT JOIN yad_two_store.book_attributes ON book_attributes.book_id = transaction_details.book_id;
```

3. מה הוא הספר הוותיק ביותר? הספר שנמצא הכי הרבה זמן במלאי.

```
SELECT trans_date, title, author
FROM (
    SELECT trans_date, book_attributes.book_id, title, author
FROM (
    SELECT trans_date, transaction_details.book_id
    FROM yad_two_store.transactions
    LEFT JOIN yad_two_store.transaction_details ON transaction_details.trans_id = transactions.trans_id
    GROUP BY trans_date
    ORDER BY trans_date DESC
) AS boughts_in_asc_order
LEFT JOIN yad_two_store.book_attributes ON book_attributes.book_id = boughts_in_asc_order.book_id
    GROUP BY book_attributes.book_id
) AS c
ORDER BY trans_date ASC
LIMIT 1;
```

#### 4. רשימת הזמנות מסודרת לפי תאריכי הזמנה:

5. כמה עותקים של ספר X נמכרו ע"י החנות. מוחזר מספר הפעמים שהספר נרכש וכמה עותקים בסה"כ של הספר נמכרו.

```
SELECT author, count(title) AS sales_num, SUM(book_amount) AS books_num
FROM yad_two_store.transactions
LEFT JOIN yad_two_store.transaction_details ON transaction_details.trans_id = transactions.trans_id
LEFT JOIN yad_two_store.book_attributes ON book_attributes.book_id = transaction_details.book_id
WHERE title = "The Little Prince";
```

6. מי הסופר הכי נקרא בתווך תאריכים X עד Y. הסופר, אשר מכר הכי הרבה ספרים בין התאריכים.

```
SELECT author, SUM(book_amount) AS count
FROM (
    SELECT transaction_details.trans_id, book_id, book_amount
    FROM yad_two_store.transactions
    LEFT JOIN yad_two_store.transaction_details ON transaction_details.trans_id = transactions.trans_id
    WHERE trans_date BETWEEN "2018-01-01" AND "2019-04-04"
) sold_bet
LEFT JOIN yad_two_store.book_attributes ON book_attributes.book_id = sold_bet.book_id
GROUP BY author
ORDER BY count DESC
LIMIT 1;
```

## 7. רשימת 3 הלקוחות שרכשו הכי הרבה ספרים לאורך השנים.

```
SELECT customers.cust_id, CONCAT(cust_fname, ' ', cust_lname) AS full_name, phone, SUM(book_amount) AS buy_amount
FROM(
    SELECT transaction_details.trans_id, book_id, book_amount, cust_id
    FROM yad_two_store.transactions
    LEFT JOIN yad_two_store.transaction_details ON transaction_details.trans_id = transactions.trans_id
) AS sold_bet
LEFT JOIN yad_two_store.customers ON customers.cust_id = sold_bet.cust_id
GROUP BY cust_id
ORDER BY buy_amount DESC
LIMIT 3;
```

8. מי הוא הספר עם מספר התרגומים הגדול ביותר שקיים כרגע במלאי. הספר שתורגם להכי הרבה שפות.

```
SELECT title, author, COUNT(DISTINCT(language)) most_common
FROM (
    SELECT a.book_id, a.title, a.language, a.author
    FROM yad_two_store.book_attributes a, yad_two_store.book_attributes b
    WHERE a.title = b.title AND a.language <> b.language
    GROUP BY a.book_id
)AS c
GROUP BY title
ORDER BY most_common DESC
LIMIT 1;
```

9. היסטוריית רכישות של לקוח X. אלו ספרים רכש, באלו תאריכים ומה המחיר ששילם עבור כל ספר. מסודר לפי תאריכי הזמנה.

.10. לגבי אדם X :היסטוריית הזמנות. מה ומתי הזמין. מסודר לפי תאריכי הזמנה. ציון האם הספר אכן נמצא, ואם כן האם רכש.

```
SELECT order_id, CONCAT(cust_fname, ' ', cust_lname) AS full_name, order_date, book_ids, title, author, address
    SELECT order_id, store_items.book_id, amount, order_date, book_ids, title, author, cust_id, address
       SELECT order_details.order_id, cust_id, order_details.book_id, order_date, GROUP_CONCAT(distinct(order_details.book_id))as book_ids,
       GROUP_CONCAT(Distinct title SEPARATOR ', ') AS title, GROUP_CONCAT(Distinct author SEPARATOR ', ') AS author,
       GROUP_CONCAT(Distinct address SEPARATOR ', ') AS address
       FROM vad two store.orders
       LEFT JOIN yad_two_store.order_details ON order_details.order_id = orders.order_id
       LEFT JOIN yad_two_store.book_attributes ON book_attributes.book_id = order_details.book_id
       LEFT JOIN yad_two_store.shipping_destination ON shipping_destination.dest_id = order_details.dest_id
       WHERE cust id = 7
       GROUP BY orders.order id
    ) AS cust_bought
    LEFT JOIN yad_two_store.store_items ON store_items.book_id = cust_bought.book_id
    WHERE store_items.amount > 0
   GROUP BY cust_bought.order_id
)AS in_store
LEFT JOIN yad_two_store.customers ON customers.cust_id = in_store.cust_id
```

11. חישוב עלות משלוח. יצירת טבלה זמנית. בטבלה נחשב את עלות המשלוח בצורה הבאה: סכום משקלי כל הספרים + מחיר התחלתי של המשלוח של חברת השליחויות.

```
CREATE TEMPORARY TABLE yad_two_store.temp_table

SELECT order_id, book_id, book_amount, book_weight, ship_cost, weight_amount, (SUM(weight_amount) + ship_cost)AS total_ship_amount

FROM(

SELECT GROUP_CONCAT(distinct(order_id))as order_id, GROUP_CONCAT(distinct(book_prices.book_id))as book_id,

GROUP_CONCAT(book_amount)as book_amount, GROUP_CONCAT(book_weight)as book_weight,

cust_price, ship_cost, SUM(book_amount * book_weight) AS weight_amount

FROM(

SELECT cust_id, order_date, meth_id, ship_id, status_id, book_amount, book_weight, order_details.order_id, book_attributes.book_id

FROM yad_two_store.orders

LEFT JOIN yad_two_store.order_details ON order_details.order_id = orders.order_id

LEFT JOIN yad_two_store.book_attributes ON book_attributes.book_id = order_details.book_id

WHERE order_details.order_id = 9

)AS ords

LEFT JOIN yad_two_store.book_prices ON book_prices.book_id = ords.book_id

LEFT JOIN yad_two_store.shipping_options ON shipping_options.ship_id = ords.ship_id

)AS sum
```

משיכה מהטבלה הזמנית:

## מחיקת הטבלה הזמנית:

DROP TEMPORARY TABLE yad two store.temp table;

# 21. האם לקוח X פיצל, אי פעם, רכישת ספרים למספר משלוחים ואם כן מה הם נתוני המשלוחים.

```
SELECT order_id, GROUP_CONCAT(distinct book_id SEPARATOR ',') AS book_id, full_name, order_date,
GROUP CONCAT(distinct meth type SEPARATOR ',') AS meth type, GROUP CONCAT(distinct book amount SEPARATOR ',') AS book amount,
GROUP_CONCAT(distinct cust_price SEPARATOR ',') AS cust_price, GROUP_CONCAT(distinct address SEPARATOR ',') AS address,
GROUP_CONCAT(status_type SEPARATOR ',') AS status_type, ship_cost, (SUM(amount_price + amount_weight)) + ship_cost as total_amount_topay
FROM (
    SELECT.
    book_prices.book_id, order_id, order_date, meth_id, ship_id, full_name, status_id, book_amount, dest_id, book_prices.cust_price,
    (book_amount * book_prices.cust_price) as amount_price, (book_amount * book_weight) as amount_weight
        SELECT order id, book id, CONCAT(customers.cust fname, ' ', customers.cust lname) AS full name, order date,
        meth id, ship id, status id, book amount, dest id
            SELECT DISTINCT orders.order_id, cust_id, order_date, meth_id, ship_id, status_id, a.book_id, a.book_amount, a.dest_id
            FROM yad_two_store.order_details a, yad_two_store.order_details b
            LEFT JOIN yad_two_store.orders ON orders.order_id = b.order_id
            WHERE a.order id = b.order id and a.dest id != b.dest id and cust id = 7
        )AS ords
       LEFT JOIN yad_two_store.customers ON customers.cust_id = ords.cust_id
    )AS ords cust
    LEFT JOIN yad_two_store.book_prices ON book_prices.book_id = ords_cust.book_id
    LEFT JOIN yad two store.book attributes ON book attributes.book id = ords_cust.book id
LEFT JOIN yad two store.shipping status ON shipping status.status id = dets.status id
LEFT JOIN yad two store.shipping destination ON shipping destination.dest id = dets.dest id
LEFT JOIN yad two store.method options ON method options.meth id = dets.meth id
LEFT JOIN yad_two_store.shipping_options ON shipping_options.ship_id = dets.ship_id
```

### .13 מה הוא הסטטוס הנוכחי של משלוח מסוים:

```
SELECT order_details.order_id, GROUP_CONCAT(Distinct book_attributes.book_id SEPARATOR ',') AS book_id, GROUP_CONCAT(Distinct title SEPARATOR ',') AS title, customers.cust_id, CONCAT(cust_fname, ' ', cust_lname) AS full_name, GROUP_CONCAT(Distinct order_date SEPARATOR ',') AS order_date, method_options.meth_type, shipping_options.ship_type, status_type

FROM yad_two_store.orders

LEFT JOIN yad_two_store.order_details ON order_details.order_id = orders.order_id

LEFT JOIN yad_two_store.book_attributes ON book_attributes.book_id = order_details.book_id

LEFT JOIN yad_two_store.shipping_status ON shipping_status.status_id = orders.status_id

LEFT JOIN yad_two_store.customers ON customers.cust_id = orders.cust_id

LEFT JOIN yad_two_store.method_options ON method_options.meth_id = orders.ship_id

WHERE order_details.order_id = 12

GROUP BY order_id
```

# 14. מה סכום המשלוחים שבוצעו על ידי חברת Xpress בחודש מסוים:

```
SELECT COUNT(order_id) AS order_num, SUM(order_price) AS sum_amount

FROM (

SELECT order_details.order_id, book_attributes.book_id, title, ship_cost, book_amount, book_weight, cust_price,
SUM((book_amount * book_weight) + (book_amount * cust_price)) + ship_cost AS order_price
FROM yad_two_store.orders

LEFT JOIN yad_two_store.order_details ON order_details.order_id = orders.order_id

LEFT JOIN yad_two_store.book_attributes ON book_attributes.book_id = order_details.book_id

LEFT JOIN yad_two_store.shipping_options ON shipping_options.ship_id = orders.ship_id

LEFT JOIN yad_two_store.book_prices ON book_prices.book_id = order_details.book_id

WHERE order_date BETWEEN "2018-01-01" AND "2020-02-06"

GROUP BY order_id

)AS sum
```

## 15. סך הכסף שהועבר לחשבון החנות באמצעות אפליקציית Bit בחודש מסוים:

```
SELECT SUM(book_amount * cust_price) AS sum_price
FROM yad_two_store.transactions
LEFT JOIN yad_two_store.transaction_details ON transaction_details.trans_id = transactions.trans_id
LEFT JOIN yad_two_store.book_prices ON book_prices.book_id = transaction_details.book_id
WHERE (trans_date BETWEEN "2020-07-01" AND "2020-07-30") AND meth_id = 2;
```

# 16. מהן העסקאות שבוצעו במהלך 12 החודשים האחרונים, ואשר הניבו רווח גדול יותר מרווח העסקאות הממוצע ב- 12 החודשים האלו.

```
SELECT trans_id, title, cust_fname, al.trans_date, meth_type, book_amount, emp_fname, profit
FROM yad_two_store.book_attributes AS a
JOIN (
   SELECT transaction details.trans id, transaction details.book id, al.cust id, al.trans date, al.meth id,
   transaction_details.book_amount, al.emp_id, (transaction_details.book_amount * cust_price) - (transaction_details.book_amount * store_price)as profit
   FROM yad two store.transactions AS al
   LEFT JOIN yad_two_store.transaction_details ON transaction_details.trans_id = al.trans_id
   LEFT JOIN yad two store.book prices on book prices.book id = transaction details.book id
    WHERE trans date BETWEEN (NOW() - INTERVAL 1 year) AND NOW()
) AS al ON al.book id = a.book id
JOIN (
   SELECT AVG(c.profit) AS Average
   FROM (
       SELECT (book amount * cust price) - (book amount * store price)as profit
       FROM yad_two_store.transactions AS al
        LEFT JOIN yad_two_store.transaction_details ON transaction_details.trans_id = al.trans_id
       LEFT JOIN yad_two_store.book_prices on book_prices.book_id = transaction_details.book_id
        WHERE trans_date BETWEEN (NOW() - INTERVAL 1 year) AND NOW()
   ) A5 c
) AS av ON al.profit > av.Average
LEFT JOIN yad_two_store.customers on customers.cust_id = al.cust_id
LEFT JOIN yad_two_store.method_options on method_options.meth_id = al.meth_id
LEFT JOIN yad_two_store.store_employees on store_employees.emp_id = al.emp_id
```

.17 כמה משלוחים בוצעו במהלך 12 החודשים האחרונים באמצעות דואר ישראל, וכמה בוצעו באמצעות חברת Xpress.

```
SELECT SUM(ship_id = 5) AS xprss, SUM(ship_id = 1) AS isrl
FROM yad_two_store.orders
WHERE (order_date BETWEEN(NOW() - INTERVAL 1 year) AND NOW()) AND (ship_id = 5 OR ship_id = 1);
```

18. נתונים על כל המשלוחים שבוצעו, אי פעם, וכללו לפחות 2 מהדורות שונות של אותו הספר.

```
CREATE TEMPORARY TABLE yad_two_store.tablee
    SELECT order_id, group_concat(Distinct d.book_id SEPARATOR ',') AS books_ids, order_date,
    CONCAT(cust fname, ' ', cust lname) AS full name,
    GROUP_CONCAT(book_amount SEPARATOR ',') AS books_numbers,
    GROUP_CONCAT(Distinct e.status_type SEPARATOR ',') AS status_type,
    GROUP CONCAT(Distinct f.ship_cost SEPARATOR ',') AS ship_cost,
    GROUP_CONCAT(Distinct address SEPARATOR ',') AS address,
    GROUP CONCAT(Distinct title SEPARATOR ',') AS titless,
    GROUP_CONCAT(book_weight SEPARATOR ',') AS weightss,
    GROUP_CONCAT(cust_price SEPARATOR ',') AS prices
    FROM(
        select order_id, c.book_id, book_amount, cust_id, order_date, meth_id, ship_id, status_id, dest_id, title, book_weight
           SELECT distinct a.order_id, a.book_id, a.book_amount, cust_id, order_date, meth_id, ship_id, status_id, a.dest_id
            FROM yad_two_store.order_details a, yad_two_store.order_details b
            INNER JOIN yad two store.orders ON orders.order id = b.order id
            WHERE a.order_id = b.order_id AND a.book_id != b.book_id
        )AS details
        INNER JOIN yad_two_store.book_attributes c ON details.book_id = c.book_id
    )AS orders det
    INNER JOIN yad_two_store.book_prices d ON orders_det.book_id = d.book_id
    INNER JOIN yad_two_store.shipping_status e ON orders_det.status_id = e.status_id
    INNER JOIN yad_two_store.shipping_options f ON orders_det.ship_id = f.ship_id
    INNER JOIN yad_two_store.customers g ON orders_det.cust_id = g.cust_id
    INNER JOIN yad_two_store.shipping_destination h ON orders_det.dest_id = h.dest_id
    GROUP BY order id
 SELECT *
 FROM yad two store.tablee
 WHERE (CHAR LENGTH(books_ids) - CHAR LENGTH(REPLACE(books_ids, ',', '')) + 1) != (CHAR LENGTH(titless) - CHAR LENGTH(REPLACE(titless, ',', '')) + 1);
```

19. נתונים על כל הלקוחות שרכשו בעבר, מתי שהוא, לפחות ספר אחד מהחנות, ושלא ביצעו שום רכישה במהלך 24 החודשים האחרונים.

```
Customers.cust_id, customers.cust_fname, customers.cust_lname, customers.phone, trans_date, book_amount, title, author
FROM(

SELECT trans_date, book_amount, cust_id, book_id

FROM(

SELECT trans_date, book_amount, cust_id, book_id

FROM yad_two_store.transactions

LEFT JOIN yad_two_store.transaction_details ON transaction_details.trans_id = transactions.trans_id

ORDER BY trans_date DESC

LIMIT 100

)as trans

GROUP BY cust_id
)as trans_cust

LEFT JOIN yad_two_store.customers ON customers.cust_id = trans_cust.cust_id

LEFT JOIN yad_two_store.book_attributes ON book_attributes.book_id = trans_cust.book_id

WHERE trans_date < (NOW() - INTERVAL 2 year);
```

20. רשימת הלקוחות שביצעו הזמנות, הספרים שהזמינו הגיעו לחנות, החנות יצרה איתם קשר ליידע אותם על זמינות הספר. הקשר נוצר לפני 14 ימים, והלקוחות עדיין לא רכשו הספר.

```
SELECT
    (
        SELECT (SUM(amount) - books out) AS in stock
        FROM yad two store.storage items
        JOIN (
            SELECT SUM(book amount) as books out
            FROM yad two store.orders
            LEFT JOIN yad_two_store.order_details ON order_details.order_id = orders.order_id
            WHERE (order_date BETWEEN '" + year + "-01-01' AND '" + year + "-01-30')
        ) AS books out
   ) AS january,
        SELECT (SUM(amount) - books_out) AS in_stock
        FROM yad_two_store.storage_items
        JOIN (
            SELECT SUM(book_amount) as books_out
            FROM yad two store.orders
            LEFT JOIN yad_two_store.order_details ON order_details.order_id = orders.order_id
            WHERE (order date BETWEEN '" + year + "-02-01' AND '" + year + "-03-01')
        ) AS books out
    ) AS february,
        SELECT (SUM(amount) - books_out) AS in_stock
        FROM yad two store.storage items
        JOIN (
            SELECT SUM(book amount) as books out
            FROM yad two store.orders
            LEFT JOIN yad_two_store.order_details ON order_details.order_id = orders.order_id
            WHERE (order date BETWEEN '" + year + "-03-01' AND '" + year + "-04-01')
        ) AS books out
    ) AS march,
        SELECT (SUM(amount) - books out) AS in stock
        FROM yad_two_store.storage_items
        JOIN (
            SELECT SUM(book_amount) as books_out
            FROM yad_two_store.orders
            LEFT JOIN yad two store.order details ON order details.order id = orders.order id
            WHERE (order date BETWEEN '" + year + "-04-01' AND '" + year + "-05-01')
        ) AS books out
   ) AS april,
```

```
(
   SELECT (SUM(amount) - books_out) AS in_stock
   FROM yad two store.storage items
    JOIN (
        SELECT SUM(book amount) as books out
       FROM yad two store.orders
       LEFT JOIN yad_two_store.order_details ON order_details.order_id = orders.order_id
       WHERE (order_date BETWEEN '" + year + "-05-01' AND '" + year + "-06-01')
    ) AS books out
) AS may,
(
   SELECT (SUM(amount) - books_out) AS in_stock
    FROM yad_two_store.storage_items
   JOIN (
       SELECT SUM(book amount) as books out
       FROM yad_two_store.orders
       LEFT JOIN yad two store.order details ON order details.order id = orders.order id
       WHERE (order_date BETWEEN '" + year + "-06-01' AND '" + year + "-07-01')
    ) A5 books out
) AS june,
    SELECT (SUM(amount) - books_out) AS in_stock
    FROM yad two store.storage items
    JOIN (
       SELECT SUM(book_amount) as books_out
        FROM yad_two_store.orders
        LEFT JOIN yad_two_store.order_details ON order_details.order_id = orders.order_id
       WHERE (order date BETWEEN '" + year + "-07-01' AND '" + year + "-08-01')
    ) AS books out
) AS july,
    SELECT (SUM(amount) - books_out) AS in_stock
    FROM yad two store.storage items
    JOIN (
        SELECT SUM(book_amount) as books_out
        FROM yad_two_store.orders
        LEFT JOIN yad two store.order details ON order details.order id = orders.order id
       WHERE (order_date BETWEEN '" + year + "-08-01' AND '" + year + "-09-01')
    ) AS books out
) AS august,
```

```
(
    SELECT (SUM(amount) - books out) AS in stock
    FROM yad_two_store.storage_items
    JOIN (
        SELECT SUM(book_amount) as books_out
        FROM yad two store.orders
        LEFT JOIN yad_two_store.order_details ON order_details.order_id = orders.order_id
        WHERE (order_date BETWEEN '" + year + "-09-01' AND '" + year + "-10-01')
    ) AS books_out
) AS sept,
(
    SELECT (SUM(amount) - books_out) AS in_stock
    FROM yad_two_store.storage_items
    JOIN (
        SELECT SUM(book amount) as books out
        FROM yad_two_store.orders
        LEFT JOIN yad two store.order details ON order details.order id = orders.order id
        WHERE (order_date BETWEEN '" + year + "-10-01' AND '" + year + "-11-01')
    ) AS books_out
) AS auctober,
    SELECT (SUM(amount) - books_out) AS in_stock
    FROM yad_two_store.storage_items
    JOIN (
        SELECT SUM(book_amount) as books_out
        FROM yad two store.orders
        LEFT JOIN yad two store.order details ON order details.order id = orders.order id
        WHERE (order_date BETWEEN '" + year + "-11-01' AND '" + year + "-12-01')
    ) AS books out
) AS nov,
    SELECT (SUM(amount) - books_out) AS in_stock
    FROM yad_two_store.storage_items
    JOIN (
        SELECT SUM(book amount) as books out
        FROM yad_two_store.orders
        LEFT JOIN yad two store.order details ON order details.order id = orders.order id
        WHERE (order date BETWEEN '" + year + "-12-01' AND '" + nextYear + "-01-01')
    ) AS books_out
) AS dece
```

# ומה היה סך התשלום, D2 לתאריך D1 לתארים רכשה החנות בין תאריך D2 לתארים עבורם

```
SELECT SUM(book_amount) AS books_num, SUM((book_amount * store_price) + (book_amount * book_weight) + ship_cost) AS total_price
FROM yad_two_store.orders

LEFT JOIN yad_two_store.order_details ON order_details.order_id = orders.order_id

LEFT JOIN yad_two_store.book_prices ON book_prices.book_id = order_details.book_id

LEFT JOIN yad_two_store.book_attributes ON book_attributes.book_id = order_details.book_id

LEFT JOIN yad_two_store.shipping_options ON shipping_options.ship_id = orders.ship_id

WHERE order_date BETWEEN '" + sDate + "' AND '" + fDate + "' AND cust_id = 100;
```

### 23. רווח החנות ממכירות בחודש מסוים:

```
SELECT SUM(cust_price - store_price) AS store_profit

FROM yad_two_store.transactions

LEFT JOIN yad_two_store.transaction_details ON transaction_details.trans_id = transactions.trans_id

LEFT JOIN yad_two_store.book_prices ON book_prices.book_id = transaction_details.book_id

WHERE trans_date BETWEEN '" + year + "-''" + month + "-01' AND '" + year + "-''" + month + "-30';
```

24. ממוצע עסקאות שנתי בחתך חודשי

```
SELECT
    (
        SELECT COUNT(*)
        FROM yad_two_store.transactions
       WHERE (trans_date BETWEEN '" + year + "-01-01' AND '" + year + "-02-01')
    ) AS january,
    (
       SELECT COUNT(*)
        FROM yad_two_store.transactions
       WHERE (trans_date BETWEEN '" + year + "-02-01' AND '" + year + "-03-01')
    ) AS february,
    (
        SELECT COUNT(*)
        FROM yad_two_store.transactions
       WHERE (trans_date BETWEEN '" + year + "-03-01' AND '" + year + "-04-01')
    ) AS march,
    (
       SELECT COUNT(*)
        FROM yad_two_store.transactions
       WHERE (trans_date BETWEEN '" + year + "-04-01' AND '" + year + "-05-01')
    ) AS april,
       SELECT COUNT(*)
        FROM yad_two_store.transactions
       WHERE (trans_date BETWEEN '" + year + "-05-01' AND '" + year + "-06-01')
    ) AS may,
    (
       SELECT COUNT(*)
        FROM yad_two_store.transactions
       WHERE (trans_date BETWEEN '" + year + "-06-01' AND '" + year + "-07-01')
    ) AS june,
    (
       SELECT COUNT(*)
        FROM yad_two_store.transactions
       WHERE (trans_date BETWEEN '" + year + "-07-01' AND '" + year + "-08-01')
    ) AS jul,
```

```
(
   SELECT COUNT(*)
    FROM yad_two_store.transactions
   WHERE (trans_date BETWEEN '" + year + "-08-01' AND '" + year + "-09-01')
) AS aug,
(
   SELECT COUNT(*)
   FROM yad_two_store.transactions
   WHERE (trans date BETWEEN '" + year + "-09-01' AND '" + year + "-10-01')
) AS sept,
(
   SELECT COUNT(*)
   FROM yad two store.transactions
   WHERE (trans_date BETWEEN '" + year + "-10-01' AND '" + year + "-11-01')
) AS auktober,
(
   SELECT COUNT(*)
   FROM yad_two_store.transactions
   WHERE (trans_date BETWEEN '" + year + "-11-01' AND '" + year + "-12-01')
) AS nov,
(
   SELECT COUNT(*)
    FROM yad_two_store.transactions
   WHERE (trans_date BETWEEN '" + year + "-12-01' AND '" + nextYear + "-01-01')
) AS dece
```

#### 25. המשכורת ברוטו של עובד מסוים בחודש מסוים

```
SELECT

store_employees.emp_fname, store_employees.emp_lname, sales, hours_per_month, SUM(sales * 0.1 + hours_per_month * 25) A5 bruto_salary
FROM (

SELECT emp_id, SUM(book_amount * cust_price) as sales
FROM yad_two_store.transactions

LEFT JOIN yad_two_store.transaction_details ON transaction_details.trans_id = transactions.trans_id

LEFT JOIN yad_two_store.book_prices ON book_prices.book_id = transaction_details.book_id

WHERE trans_date BETWEEN '" + year + "-''" + month + "-01' AND '" + year + "-''" + month + "-30' AND emp_id = '" + to_string(emp_id) + "'

) AS sales_bet

LEFT JOIN yad_two_store.employee_salary ON employee_salary.emp_id = sales_bet.emp_id

LEFT JOIN yad_two_store.store_employees ON store_employees.emp_id = sales_bet.emp_id

WHERE sales_bet.emp_id = '" + to_string(emp_id) + "' AND year = '" + year + "' and months = '" + month + "';
```

## 26. מי המוכר עם הכי הרבה עסקאות בחודש מסוים