**הנחות עבור הפרוייקט**

1. הטבלא orders מכילה שדה סטטוס התחלתי ושדה סטטוס סופי. שני השדות מכילים ערך בכל זמן. כאשר לקוח מתקשר – ממלאים את שני שדות הסטטוס באותו המספר. שדה הסטטוס ההתחלתי לא ישתנה יותר, וכאשר חל שנוי בסטטוס ההזמנה – משנים את שדה הסטטוס הסופי.
2. הטבלא orders\_from\_suppliers מכילה רק שדה סטטוס אחד, שמשתנה בכל זמן שסטטוס ההזמנה משתנה.
3. סטטוס הזמנה שבוצעה הוא 1.
4. כאשר אנו מחשבים סכומים (מכירות רבעוניות, מכירות של employee וכדומה) – אנו מחשבים סכומים לפני הנחה.

**טבלת SQL עבור הפעולות**

הערה: עבור פעולות שדרשו יותר משלב אחד – הטבלא מכילה רק את המשפט המרכזי.

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| **פעולה** | **SQL** |
| 1 | Select \* from books where quantity > 0 |
| 2 | Select order\_id, end\_status, description from orders, status\_codes where end\_status=status and end\_status<>1 |
| 3 | Select \* from customers where cutomer\_id in (select customer\_id from orders where end\_status=1) |
| 4 | Select \* from suppliers |
| 5 | Select \* from orders where date between ? and ? |
| 6 | Select \* from books where global\_discount > 0 |
| 7 | Select \* from books where title = ? |
| 8 | Select \* from suppliers where supplier\_id in (select supplier\_id from booksuppliers where book\_id = ?) |
| 9 | Select sum(quantity) as copies from orderdetails where book\_id = ? and order\_id in(select order\_id from orders where end\_status = 1 and date > ?) |
| 10 | Select sum(quantity) as copies from orderdetails where order\_id in (select order\_id from orders where customer\_id = ? and end\_status = 1 and date > ?) |
| 11 | Select sum(quantity) as copies from orderdetails where order\_id in (select order\_id from orders where customer\_id = ? and end\_status = 1 and date > ?) |
| 12 | Select sum(quantity) as copies from ordersfromsuppliersdetails where order\_id in (select order\_id from orders\_from\_suppliers where supplier\_id = ? and status = 1 and date > ?) |
| 13 | Select count(\*) as num\_orders from orders where date between ? and ? |
| 14 | Select count(\*) as num\_orders from orders where end\_status=1 and date between ? and ? |
| 15 | Select \* from orderdetails where order\_id in (select order\_id from orders where customer\_id = ? and end\_status=1 and date >= ?) |
| 16 | Select \* from orderdetails where order\_id in (select order\_id from orders where end\_status=1 and date between ? and ?) |
| 17 | Select count(\*) as num\_customers from customers where join\_date >= ? |
| 18 | Select \* from ordersfromsuppliersdetails where order\_id in (Select order\_id from orders\_from\_suppliers where supplier\_id = ? and date between ? and ?)  Select price from booksuppliers where book\_id = ? and supplier\_id = ? |
| 19 | Select \* from orderdetails where order\_id in (select order\_id from orders where employee\_id = ? and end\_status = 1 and date between ? and ?) |
| 20 | Select book\_id, count(quantity) as sold from orderdetails where order\_id in(select order\_id from orders where end\_status = 1 and date between ? and ?) group by book\_id order by sold desc limit 10 |