19 - GROUP BY

```
// zwraca nową tymczasową kolumnę I oblicza ilość przedmiotów
SELECT seler_id, COUNT(*) AS item_count FROM items WHERE seler_id = 1

SELECT seller_id, COUNT (*) AS item_count FROM items GROUP BY seller_id


SELECT seller_id, COUNT (*) AS item_count FROM items GROUP BY seller_id HAVING
COUNT (*) >= 3


SELECT seller_id, COUNT (*) AS item_count FROM items GROUP BY seller_id HAVING
COUNT (*) >= 3 ORDER BY item_count DESC
```

20 - Subqueries

```
SELECT AVG(cost) FROM items // zwraca wartość 463 ☺

SELECT name, cost FROM items WHERE cost > (463) ORDER BY cost DESC

-----------------------------------------------------

SELECT name, cost FROM items WHERE cost > (

SELECT AVG(cost) FROM items

) ORDER BY cost DESC

-----------------------------------------------------
```

21 - Another Subquery Example

```
SELECT seller_id FROM items WHERE name LIKE ‘%boxes’

SELECT name, MIN(cost) FROM items WHERE name LIKE ‘%boxes’ AND seller_id in
(SELECT seller_id FROM items WHERE name LIKE ‘%boxes’)
```

22 - How to Join Tables

```
// customers – table one

//items – table two

SELECT customers.id, cusomers.name, items.name, items.cost

FROM cusomers, items

WHERE customers.id = seller_id // relacja table

ORDER_BY customers.id
```

23 - Outer Joins

```
SELECT customers.name, items.name

FROM cusomers, items

WHERE customers.id = seller_id // relacja table

--------------------------------------------------

SELECT customers.name, items.name

FROM cusomers LEFT OUTER JOIN items // // pokaż wszyskich customers, nawet, gdy nie mają żadnych przedmiotów

ON customers.id = seller_id // relacja table
```

24 - UNION

```
SELECT name, cost, bids FROM items WHERE bids > 190

UNION // zwraca jedną tabelę, używamy tego do skomplikowanych zapytań

// kolumny muszą być takie same

SELECT name, cost, bids FROM items WHERE cost > 1000

--------------------------------------------------------

SELECT name, cost, bids FROM items WHERE bids > 190

UNION ALL // nie usuwa duplikatów (tych, co mają cost > 1000 i bids > 190

SELECT name, cost, bids FROM items WHERE cost > 1000
```

25 - Full-Text Searching

```
// aktywacja przeszukiwania jako tekst. Szybsze niż LIKE

ALTER TABLE items ADD FULLTEXT(name)

SELECT name, cost FROM items WHERE Match (name) Against (‘baby’)
```