

A task:

1. Make a simple selection for each table
2. Sort each table by company
3. Group table by name
4. Select the maximum price value for each table
5. Calculate the total cost of goods in each table
6. Make a selection of all smartphones from all tables (product name, price, company)
7. Make a selection of all Bosch products for all products table
8. Select Samsung products from all tables where price more than 600
9. Select smartphones worth more than 15,000

**Create database Shops using MySQL 8.0 Command Line Client - Unicode**

mysql> show databases;

mysql> create database Shops;

mysql> use Shops;

Database changed

**Create table Company using MySQL 8.0 Command Line Client - Unicode**

mysql> create table company (id\_c int auto\_increment primary key, name\_c varchar(30)not null);

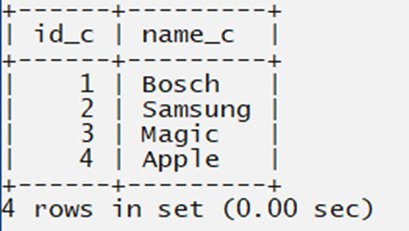
mysql> insert into company (name\_c) value ('Bosch');

mysql> insert into company (name\_c) value ('Samsung');

mysql> insert into company (name\_c) value ('Magic');

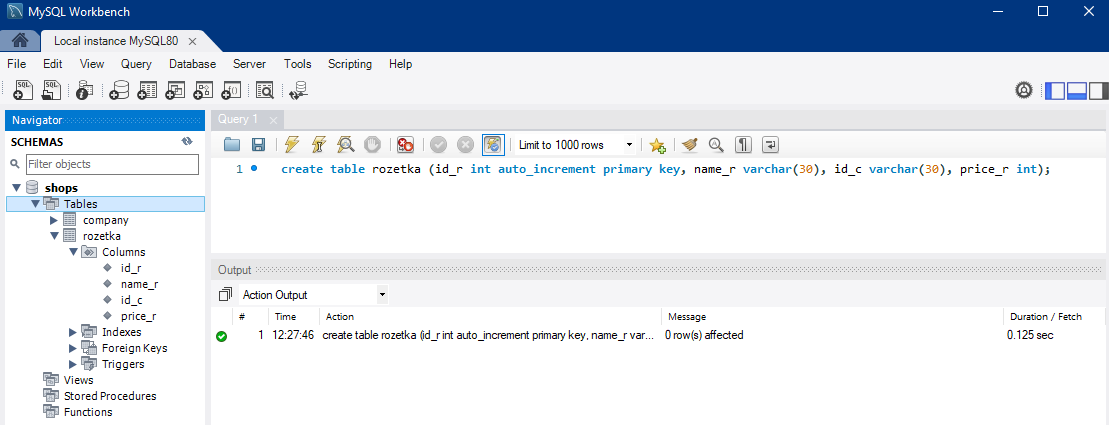
mysql> insert into company (name\_c) value ('Apple');

mysql> select\*from company;



**Create table Rozetka using MySQL Workbench**

create table rozetka (id\_r int auto\_increment primary key, name\_r varchar(30), id\_com varchar(30), price\_r int);



insert into rozetka (name\_r,id\_com,price\_r)

values ('Kettle', 'Bosch', 1500);

insert into rozetka (name\_r,id\_com,price\_r)

values ('TV', ‘Samsung’, 5000);

insert into rozetka (name\_r,id\_com,price\_r)

values (‘Smartphone’, ‘Samsung’, 15000);

insert into rozetka (name\_r,id\_com,price\_r)

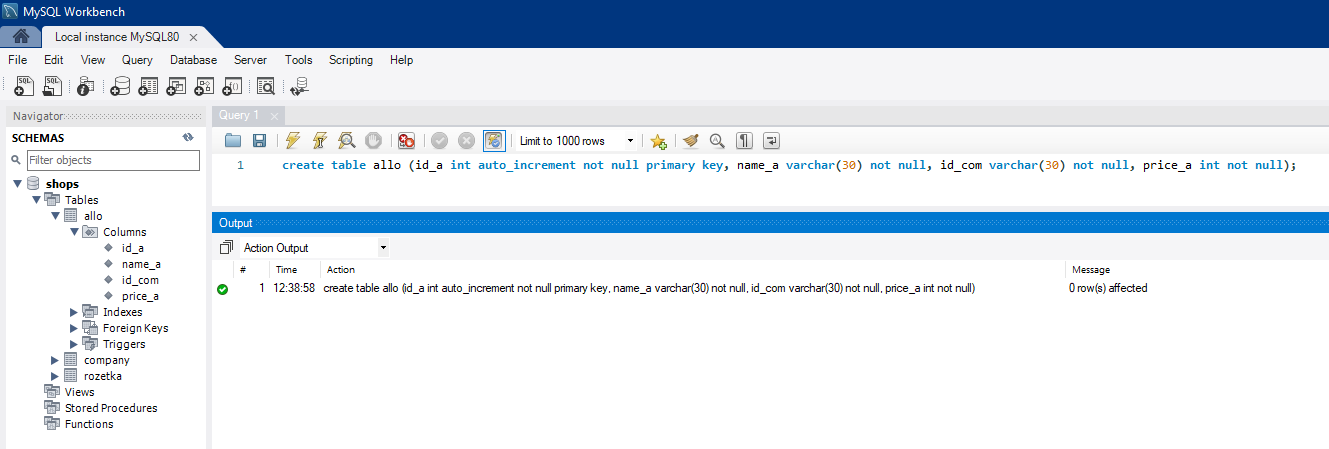
values ('Smartphone', ‘Apple’, 20000);

insert into rozetka (name\_r,id\_com,price\_r)

values ('Blender', ‘Bosch’, 500);

**Create table Allo using MySQL Workbench**

create table allo (id\_a int auto\_increment not null primary key, name\_a varchar(30) not null, id\_com varchar(30) not null, price\_a int not null);



insert into allo (name\_a, id\_com, price\_a)

values ('TV', 'Samsung', 10000);

insert into allo (name\_a, id\_com, price\_a)

values ('TV', ‘Apple’, 20000);

insert into allo (name\_a, id\_com, price\_a)

values ('Kettle', ‘Samsung’, 250);

insert into allo (name\_a, id\_com, price\_a)

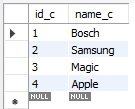
values ('Blender', ‘Samsung’, 600);

insert into allo (name\_a, id\_com, price\_a)

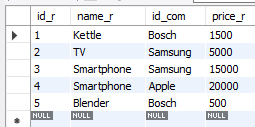
values ('Smartphone', ‘Apple’, 15000);

1. **Make a simple selection for each table**

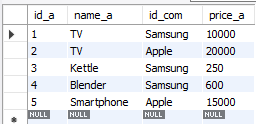
SELECT\*FROM company;



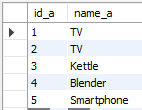
SELECT\*FROM rozetka;



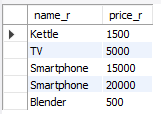
SELECT\*FROM allo;



SELECT id\_a, name\_a FROM allo;



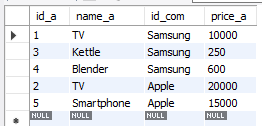
SELECT name\_r, price\_r FROM rozetka;



1. **Sort each table by company**

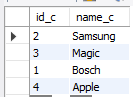
SELECT\*FROM allo

ORDER BY id\_com DESC;



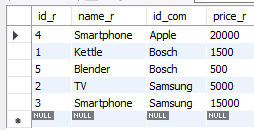
SELECT\*FROM company

ORDER BY name\_c DESC;



SELECT\*FROM rozetka

ORDER BY id\_com ASC;

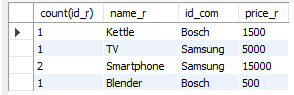


1. **Group table by name**

SELECT count(id\_r), name\_r, id\_com, price\_r

FROM rozetka

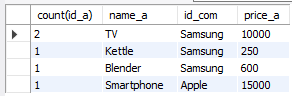
GROUP BY name\_r;



SELECT count(id\_a), name\_a, id\_com, price\_a

FROM allo

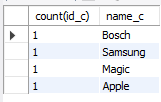
GROUP BY name\_a;



SELECT count(id\_c), name\_c

FROM company

GROUP BY name\_c;



1. **Select the maximum price value for each table**

SELECT max(price\_a) AS LargestPrice

FROM allo;



SELECT max(price\_r) AS LargestPrice

FROM rozetka;



1. **Calculate the total cost of goods in each table**

SELECT sum(price\_a)

FROM allo;



SELECT sum(price\_r)

FROM rozetka;



1. **Make a selection of all smartphones from all tables (product name, price, company)**

SELECT name\_a, id\_com, price\_a

FROM allo

WHERE name\_a = 'Smartphone';



SELECT name\_r, id\_com, price\_r

FROM rozetka

WHERE name\_r = 'Smartphone';



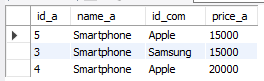
SELECT\*FROM allo

WHERE name\_a LIKE '%Smartphone%'

UNION ALL

SELECT\*FROM rozetka

WHERE name\_r LIKE '%Smartphone%';

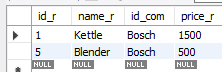


1. **Make a selection of all Bosch products for all products table**

SELECT id\_r, name\_r, id\_com, price\_r

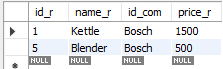
FROM rozetka

WHERE id\_com = 'Bosch';



SELECT \* FROM rozetka

WHERE id\_com LIKE 'Bosch';



SELECT id\_a, name\_a, id\_com, price\_a

FROM allo

WHERE id\_com = 'Bosch';



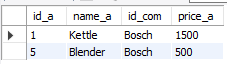
SELECT\*FROM allo

WHERE id\_com LIKE '%Bosch%'

UNION

SELECT\*FROM rozetka

WHERE id\_com LIKE '%Bosch%';



1. **Select Samsung products from all tables where price more than 600**

SELECT\*FROM allo

WHERE price\_a > 600

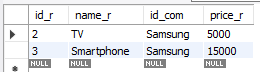
AND id\_com='Samsung'



SELECT\*FROM rozetka

WHERE price\_r > 600

AND id\_com='Samsung';

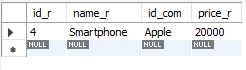


1. **Select smartphones worth more than 15,000**

SELECT\*FROM rozetka

WHERE name\_r='Smartphone'

AND price\_r > 15000;



SELECT\*FROM allo

WHERE name\_a='Smartphone'

AND price\_a > 15000;

