```sql
create database ek;

use ek;

create table Products( product_id int primary key,
                        product_name varchar(50),
                        company varchar(50),
                        unit_price decimal(10,2));

Insert into Products values(101,'Laptop','Electronics',500),
                           (102,'Smartphone','Electronics', 300),
                           (103,'Headphones','Electronics',30),
                           (104,'Keyboard','Electronics',20),
                           (105,'Mouse','Electronics',10);


-- QUERIES

select * from Products;

select product_name, unit_price from Products;

alter table Products rename column company to category;

select * from Products where category ="Electronics";

select product_id,product_name from Products where unit_price>100;

select avg(unit_price) from Products;

select Product_name, unit_price from Products order by unit_price desc limit 1;

select product_name, unit_price from Products order by unit_price desc;

select product_name, unit_price from Products where unit_price>20 and unit_price<600;

select product_name, category from Products order by category;
```

```sql
use ek;

CREATE TABLE Sales (sale_id INT PRIMARY KEY,
                    product_id INT,
                    quantity_sold INT,
                    sale_date DATE,
                    total_price DECIMAL(10, 2),
                    FOREIGN KEY (product_id) REFERENCES Products(product_id));

INSERT INTO Sales (sale_id, product_id, quantity_sold, sale_date, total_price) VALUES
(1, 101, 5,'2024-01-01', 2500.00),
(2, 102, 3,'2024-01-02', 900.00),
(3, 103, 2, '2024-01-02', 60.00),
(4, 104, 4, '2024-01-03', 80.00),
(5, 105, 6, '2024-01-03', 90.00);


-- QUERIES
select * from Sales;
select sale_id,sale_date from Sales;
select * from Sales where total_price>100;
select sale_id,total_price from Sales where sale_date ='2024-01-03';
select sum(total_price) from Sales;
select sum(quantity_sold) from Sales;
select sale_id,product_id,total_price from Sales where quantity_sold>4;
select avg(total_price) from Sales;
```