

SQL Queries on Product Table

```
/* =====
PRODUCT TABLE STRUCTURE
===== */

CREATE TABLE product (
    pro_id INT PRIMARY KEY,
    pro_name VARCHAR(100) NOT NULL,
    pro_price DECIMAL(10,2) NOT NULL,
    pro_code VARCHAR(20) NOT NULL
);

/* =====
SAMPLE DATA (Optional)
===== */

INSERT INTO product (pro_id, pro_name, pro_price, pro_code) VALUES
(1, 'Keyboard', 300.00, 'LOGI'),
(2, 'Mouse', 200.00, 'LOGI'),
(3, 'Monitor', 7000.00, 'DELL'),
(4, 'Motherboard', 4500.00, 'INTL'),
(5, 'Speaker', 1200.00, 'SONY'),
(6, 'Webcam', 250.00, 'LOGI');

/* =====
1. PRODUCTS WITH PRICE >= 250
Ordered by price DESC, name ASC
===== */
```

```
===== */
```

```
SELECT pro_name, pro_price  
FROM product  
WHERE pro_price >= 250  
ORDER BY pro_price DESC, pro_name ASC;
```

```
/* =====
```

```
2. CHEAPEST PRODUCT
```

```
===== */
```

```
SELECT pro_name, pro_price  
FROM product  
WHERE pro_price = (  
    SELECT MIN(pro_price)  
    FROM product  
)
```

```
/* =====
```

```
3. AVERAGE PRICE PER COMPANY
```

```
===== */
```

```
SELECT  
    pro_code,  
    AVG(pro_price) AS average_price  
FROM product  
GROUP BY pro_code;
```

```
/* =====
```

```
4. AVERAGE PRICE OF ALL PRODUCTS
```

```
===== */
```

```
SELECT AVG(pro_price) AS average_total_price  
FROM product;
```