**Sample Table: Products**

| **ProductID** | **ProductName** | **Category** | **Price** | **Stock** |
| --- | --- | --- | --- | --- |
| 1 | Laptop | Electronics | 1000 | 50 |
| 2 | Smartphone | Electronics | 700 | 150 |
| 3 | Washing Machine | Home Appliance | 500 | 30 |
| 4 | Refrigerator | Home Appliance | 800 | 25 |
| 5 | Microwave | Kitchen | 200 | 40 |
| 6 | Blender | Kitchen | 100 | 60 |

**Nested Query Exercises:**

1. **Find products whose price is higher than the average price of all products in the table.**
2. **List the names of products in the 'Home Appliance' category with stock greater than the average stock of 'Electronics' products.**
3. **Retrieve the product(s) with the highest price in each category.**
4. **Find the products that have a price lower than the minimum price in the 'Electronics' category.**
5. **List the product names that are more expensive than any product in the 'Kitchen' category.**
6. **Retrieve the product(s) that have the second-highest price across all categories.**
7. **Find the name of the product that has the maximum stock in its category.**
8. **List the products whose stock is higher than the average stock across all products but belong to categories other than 'Electronics'.**
9. **Find products in the 'Kitchen' category whose price is greater than the average price of 'Home Appliance' products.**
10. **Retrieve the names of products with a price lower than the maximum price of any product in the 'Kitchen' category but still higher than the average price of all products.**