Task-2:

1) **Print all titles in the "men's clothing" category.**
   ```
   for product in products:
       if product["category"] == "men's clothing":
           print(product["title"])
   ```

2) **List all items where price > 100 and category is ' jewellery'.**
   ```
   Filtered _products = [product for product in products if product["price"] > 100 and product["category"] == "jewelery"]

   for product in filtered _products

       print(f "Title: {product['title']}, Price: {product['price']}")
   ```

3) **Display titles of electronics with rating above 4.5.**
   ```
   for product in products:
       if product["category"] == "electronics" and product["rating"] > 4.5:
           print (f" Title: {product['title']}, Rating: {product['rating']}")
   ```

4) **Show products in women's clothing where price < 20 and rating > 4.**
   ```
   for product in products:

       if product["category"] == "women's clothing" and product["price"] < 20 and product["rating"] > 4:

           print (f "Title: {product['title']}, Price: {product['price']}, Rating: {product['rating']}")
   ```

5) **Get titles and prices of items where rating count > 300 and price < 50**
   ```
   for product in products:

     if product ["rating _count"] > 300 and product["price"] < 50:

       print (f "Title: {product['title']}, Price: {product['price']}")
   ```

6) **Print jewelery products with rating > 3.5 and rating count ≥ 100.**
   ```
   Filtered _products = [product for product in products if product["category"] == "jewelery" and product["rating"] > 3.5 and product["rating _count"] >= 100]

   for product in filtered _products:

     print (f "Title: {product['title']}, Rating: {product['rating']}, Rating Count: {product['rating _count']}")
   ```

7) **List electronics that have "Samsung" in title and rating count > 300.**
   ```
     Filtered _products = [product for product in products if product["category"] == "electronics" and "Samsung" in product["title"] and product ["rating_ count"] > 300]

    for product in filtered_ products:

     print (f "Title: {product['title']}, Rating Count: {product ['rating _count']}")
   ```

8) **Show men's clothing items where price > 50 or rating < 3.5.**

```python
for product in products:
    if product["category"] == "men's clothing" and (product["price"] > 50 or product["rating"] < 3.5):
        print (f "Title: {product['title']}, Price: {product['price']}, Rating: {product['rating']}")
```

9) Display all products where description length > 300 characters and rating > 4.

```python
for product in products:
    if len(product["description"]) > 300 and product["rating"] > 4:
        print (f "Title: {product['title']}")
        print (f "Description: {product['description']}")
        print (f "Rating: {product['rating']}")
        print ("-" * 50)
```

10) List products with category = 'electronics' and price above average of all prices.

```python
Average _price = sum(product["price"] for product in products) / len (products)
for product in products:
    if product["category"] == "electronics" and product["price"] > average _ price:
        print (f "Title: {product['title']}, Price: {product['price']}")
```

11) Print all items that include the word "cotton" in description and rating ≥ 4.

```python
for product in products:
    if "cotton" in product["description"]lower() and product["rating"] >= 4:
        print (f "Title: {product['title']}")
        print (f "Description: {product['description']}")
        print (f "Rating: {product['rating']}")
        print ("-" * 50)
```

12) Show all items with rating between 3.0 and 4.0 and count > 100.

```python
Filtered _products = [product for product in products if 3.0 <= product["rating"] < 4.0 and product ["rating _count"] > 100]
for product in filtered _products:
    print (f "Title: {product['title']}")
    print (f "Rating: {product['rating']}")
    print (f "Rating Count: {product ['rating _count']}")
    print ("-" * 50)
```

13) List titles of items where category is jewelery or electronics and price < 20.

```
for product in products:
    if product["category"] in [ "jewelery", "electronics"] and product["price"] < 20:
        print (f "Title: {product['title']}, Price: {product['price']}")
```

14) Display women's clothing where rating < 3 and price > 25.

```
Filtered _products = [product for product in products if product["category"] == "women's clothing" and product["rating"] < 3 and product["price"] > 25]

for product in filtered _products:
    print (f "Title: {product['title']}")
    print (f "Rating: {product['rating']}")
    print (f "Price: {product['price']}")
    print ("-" * 50)
```

15) Show all items where rating < 3 or rating count > 400 in the electronics category.

```
for product in products:
if product["category"] == "electronics" and (product["rating"] < 3 or product["rating _count"] > 400):
print(product)
```