Basic Filtering by Category & Fields:

1.) Print all titles in the "men's clothing" category

```
for i in data :

    if i ["category"] == "men's clothing":

        print("Title:", product["title"])
```

2.) List all items where price > 100 and category is 'jewelery'.

```
for i in data :

    if i["price"] > 100 and i["category"] == "jewelery":
    print(i)
```

3.) Display titles of electronics with rating above 4.5.

```
for i in data :

    if i["category"] == "electronics" and i["rating"]["rate"] > 4.5 :
        print("Titles" :,  i["title"])
```

4.) Show products in women's clothing where price < 20 and rating > 4.

```
for i in data :
    if i["category"] == "womens's clothing" and i["price"] < 20 and i["rating"]["rate"] > 4 :
        print(i)
```

5.) Get titles and prices of items where rating count > 300 and price < 50.

```
for i in data :
    if  i["rating"]["rate"] > 300 and i["price"] < 50 :
        print("Titles", i["titles"])
        print("Prices", i["price"])
```

Multiple Conditions

1.) **Print jewelery products with rating > 3.5 and rating count ≥ 100**.

```
for i in data :
    if i["category"] == "jewelery" and i["rating"]["rate"]>3.5 and i["rating"]["count"]>=100:
    print(i)
```

2.) List electronics that have "Samsung" in title and rating count > 300

```
for i in data :
    if i["category"]=="electronics" and i["title"] in "Samsung" and i["rating"]["count"]>300 :
        print(i)
```

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

```
for i in data :
    if i["category"]=="men's clothing" and i["price"]>50 and i["rating"]["rate"]<3.5 :
        print(i)
```

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

```
for i in data :
    if len(i["description"])>300 and i["rating"]["rate"]>4 :
        print(i)
```

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

```
avg_price =
for i in data :
    i["price"]/len(data)
    avg_price += i
print(avg_price)

for i in data :
    if  i["category"] == "electronics" and i["price"]>avg_price:
        print(i)
```

Advanced Filters:

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

```
for i in data :
    if  i["description"] in "cotton" and i["rating"]["rate"]>=4:
        print(i)
```

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

```
for i in data :
```

```
        if 3.0<i["rating"]["rate"]<4.0 and i["rating"]["count"]>100:
            print(i)
```

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

```
    for i in data :
        if i["category"]=="jewelery" or i["category"]=="electronics" and i["price"]<20:
            print(i)
```

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

```
    for i in data :
        if i["category"]=="women's clothing" and i["rating"]["rate"]<3 and i["price"]>25:
            print(i)
```

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

```
    for i in data :
        if i["category"]=="electronics" and i["rating"]["rate"]<3 and i["rating"]["count"]>400 :
            print(i)
```