

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

```
# Full product data list (fixed)
data = [
    {
        "id": 1,
        "title": "Fjallraven - Foldsack No. 1 Backpack, Fits 15 Laptops",
        "price": 109.95,
        "description": "Your perfect pack for everyday use and walks in the forest. Stash your laptop (up to 15 inches) in the padded sleeve, your everyday",
        "category": "men's clothing",
        "image": "https://fakestoreapi.com/img/81fPKd-2AYL._AC_SL1500_.jpg",
        "rating": {"rate": 3.9, "count": 120}
    },
    {
        "id": 2,
        "title": "Mens Casual Premium Slim Fit T-Shirts ",
        "price": 22.3,
        "description": "Slim-fitting style, contrast raglan long sleeve, three-button henley placket, light weight & soft fabric for breathable and comfortable wearing. And Solid stitched shirts with round neck made for durability and a great fit for casual fashion wear and diehard baseball fans. The Henley style round neckline includes a three-button placket.",
        "category": "men's clothing",
        "image": "https://fakestoreapi.com/img/71-3HjGNDUL._AC_SY879._SX._UX._SY._UY_.jpg",
        "rating": {"rate": 4.1, "count": 259}
    },
    {
        "id": 3,
        "title": "Mens Cotton Jacket",
        "price": 55.99,
        "description": "Great outerwear jackets for Spring/Autumn/Winter, suitable for many occasions such as working, hiking, camping, mountain/rock climbing, cycling, traveling or other outdoors.",
        "category": "men's clothing",
        "image": "https://fakestoreapi.com/img/71li-ujtlUL._AC_UX679_.jpg",
```

```
    "rating": {"rate": 4.7, "count": 500}
  },
  {
    "id": 4,
    "title": "Mens Casual Slim Fit",
    "price": 15.99,
    "description": "The color could be slightly different between on the
screen and in practice.",
    "category": "men's clothing",
    "image":
"https://fakestoreapi.com/img/71YXzeOuslL._AC_UY879_.jpg",
    "rating": {"rate": 2.1, "count": 430}
  },
  {
    "id": 5,
    "title": "John Hardy Women's Legends Naga Gold & Silver Dragon
Station Chain Bracelet",
    "price": 695,
    "description": "From our Legends Collection, the Naga was inspired
by the mythical water dragon that protects the ocean's pearl.",
    "category": "jewelery",
    "image":
"https://fakestoreapi.com/img/71pWzhdJNwL._AC_UL640_QL65_ML3_.
jpg",
    "rating": {"rate": 4.6, "count": 400}
  },
  {
    "id": 6,
    "title": "Solid Gold Petite Micropave ",
    "price": 168,
    "description": "Satisfaction Guaranteed. Return or exchange any
order within 30 days.",
    "category": "jewelery",
    "image":
"https://fakestoreapi.com/img/61sbMiUnoGL._AC_UL640_QL65_ML3_.j
pg",
    "rating": {"rate": 3.9, "count": 70}
  },
  {
    "id": 7,
```

```
    "title": "White Gold Plated Princess",
    "price": 9.99,
    "description": "Classic Created Wedding Engagement Solitaire
Diamond Promise Ring for Her.",
    "category": "jewelery",
    "image":
"https://fakestoreapi.com/img/71YAIFU48IL._AC_UL640_QL65_ML3_.jp
g",
    "rating": {"rate": 3, "count": 400}
  },
  {
    "id": 8,
    "title": "Pierced Owl Rose Gold Plated Stainless Steel Double",
    "price": 10.99,
    "description": "Rose Gold Plated Double Flared Tunnel Plug
Earrings. Made of 316L Stainless Steel",
    "category": "jewelery",
    "image":
"https://fakestoreapi.com/img/51UDEzMJVpL._AC_UL640_QL65_ML3_.
jpg",
    "rating": {"rate": 1.9, "count": 100}
  },
  {
    "id": 9,
    "title": "WD 2TB Elements Portable External Hard Drive - USB 3.0 ",
    "price": 64,
    "description": "USB 3.0 and USB 2.0 Compatibility Fast data
transfers Improve PC Performance High Capacity; Compatibility
Formatted NTFS for Windows 10, Windows 8.1, Windows 7; Reformatting
may be required for other operating systems; Compatibility may vary
depending on user's hardware configuration and operating system",
    "category": "electronics",
    "image":
"https://fakestoreapi.com/img/61IBBVJvSDL._AC_SY879_.jpg",
    "rating": {"rate": 3.3, "count": 203}
  },
  {
    "id": 10,
    "title": "SanDisk SSD PLUS 1TB Internal SSD - SATA III 6 Gb/s",
    "price": 109,
```

```
    "description": "Easy upgrade for faster boot up, shutdown,  
application load and response.",  
    "category": "electronics",  
    "image":  
"https://fakestoreapi.com/img/61U7T1koQqL._AC_SX679_.jpg",  
    "rating": {"rate": 2.9, "count": 470}  
  },  
  {  
    "id": 11,  
    "title": "Silicon Power 256GB SSD 3D NAND A55 SLC Cache  
Performance Boost SATA III 2.5",  
    "price": 109,  
    "description": "3D NAND flash are applied to deliver high transfer  
speeds.",  
    "category": "electronics",  
    "image":  
"https://fakestoreapi.com/img/71kWymZ+c+L._AC_SX679_.jpg",  
    "rating": {"rate": 4.8, "count": 319}  
  },  
  {  
    "id": 12,  
    "title": "WD 4TB Gaming Drive Works with Playstation 4 Portable  
External Hard Drive",  
    "price": 114,  
    "description": "Expand your PS4 gaming experience, Play anywhere  
Fast and easy, setup Sleek design with high capacity.",  
    "category": "electronics",  
    "image":  
"https://fakestoreapi.com/img/61mtL65D4cL._AC_SX679_.jpg",  
    "rating": {"rate": 4.8, "count": 400}  
  },  
  {  
    "id": 13,  
    "title": "Acer SB220Q bi 21.5 inches Full HD IPS Ultra-Thin",  
    "price": 599,  
    "description": "21.5 inches Full HD IPS display with Radeon Free  
Sync technology.",  
    "category": "electronics",  
    "image":  
"https://fakestoreapi.com/img/81QpkIctqPL._AC_SX679_.jpg",
```

```
    "rating": {"rate": 2.9, "count": 250}
  },
  {
    "id": 14,
    "title": "Samsung 49-Inch CHG90 144Hz Curved Gaming Monitor",
    "price": 999.99,
    "description": "49 INCH SUPER ULTRAWIDE 32:9 CURVED GAMING MONITOR with Quantum Dot (QLED) TECHNOLOGY.",
    "category": "electronics",
    "image":
    "https://fakestoreapi.com/img/81Zt42ioCgL_AC_SX679_.jpg",
    "rating": {"rate": 2.2, "count": 140}
  },
  {
    "id": 15,
    "title": "BIYLACLESEN Women's 3-in-1 Snowboard Jacket Winter Coats",
    "price": 56.99,
    "description": "3 in 1 Detachable Design provide more convenience.",
    "category": "women's clothing",
    "image": "https://fakestoreapi.com/img/51Y5NI-I5jL_AC_UX679_.jpg",
    "rating": {"rate": 2.6, "count": 235}
  },
  {
    "id": 16,
    "title": "Lock and Love Women's Removable Hooded Faux Leather Moto Biker Jacket",
    "price": 29.95,
    "description": "Faux leather material for style and comfort / 2 pockets of front.",
    "category": "women's clothing",
    "image":
    "https://fakestoreapi.com/img/81XH0e8fefL_AC_UY879_.jpg",
    "rating": {"rate": 2.9, "count": 340}
  },
  {
    "id": 17,
```

```
    "title": "Rain Jacket Women Windbreaker Striped Climbing Raincoats",
    "price": 39.99,
    "description": "Lightweight perfect for trip or casual wear.",
    "category": "women's clothing",
    "image":
"https://fakestoreapi.com/img/71HblAHs5xL._AC_UY879_-2.jpg",
    "rating": {"rate": 3.8, "count": 679}
  },
  {
    "id": 18,
    "title": "MBJ Women's Solid Short Sleeve Boat Neck V ",
    "price": 9.85,
    "description": "95% RAYON 5% SPANDEX, Lightweight fabric with great stretch for comfort.",
    "category": "women's clothing",
    "image":
"https://fakestoreapi.com/img/71z3kpMAYsL._AC_UY879_.jpg",
    "rating": {"rate": 4.7, "count": 130}
  },
  {
    "id": 19,
    "title": "Opna Women's Short Sleeve Moisture",
    "price": 7.95,
    "description": "100% Polyester, Lightweight, roomy and highly breathable with moisture wicking fabric.",
    "category": "women's clothing",
    "image":
"https://fakestoreapi.com/img/51eg55uWmdL._AC_UX679_.jpg",
    "rating": {"rate": 4.5, "count": 146}
  },
  {
    "id": 20,
    "title": "DANVOUY Womens T Shirt Casual Cotton Short",
    "price": 12.99,
    "description": "95%Cotton,5%Spandex, Casual, Short Sleeve, V-Neck.",
    "category": "women's clothing",
    "image":
"https://fakestoreapi.com/img/61pHAEJ4NML._AC_UX679_.jpg",
```

```
        "rating": {"rate": 3.6, "count": 145}
    }
]
```

```
for item in data:
    if item["category"] == "men's clothing":
        print(item["title"])
```

### **OUTPUT:**

Fjallraven - Foldsack No. 1 Backpack, Fits 15 Laptops  
Mens Casual Premium Slim Fit T-Shirts  
Mens Cotton Jacket  
Mens Casual Slim Fit.

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

```
for items in data:
    if items["category"] == "jewelery" and items["price"]>100:
        print(items)
```

### **OUTPUT:**

{'id': 5, 'title': 'John Hardy Women's Legends Naga Gold & Silver Dragon Station Chain Bracelet', 'price': 695, 'description': 'From our Legends Collection, the Naga was inspired by the mythical water dragon that protects the ocean's pearl.', 'category': 'jewelery', 'image': 'https://fakestoreapi.com/img/71pWzhdJNwL.\_AC\_UL640\_QL65\_ML3\_.jpg', 'rating': {'rate': 4.6, 'count': 400}}

{'id': 6, 'title': 'Solid Gold Petite Micropave ', 'price': 168, 'description': 'Satisfaction Guaranteed. Return or exchange any order within 30 days.', 'category': 'jewelery', 'image': 'https://fakestoreapi.com/img/61sbMiUnoGL.\_AC\_UL640\_QL65\_ML3\_.jpg', 'rating': {'rate': 3.9, 'count': 70}}

## **3.Display titles of electronics with rating above 4.5.**

```
for items in data:
    if items["category"] == "electronics" and items["rating"]["rate"]>4.5:
        print(items["title"])
```

**OUTPUT:**

Silicon Power 256GB SSD 3D NAND A55 SLC Cache Performance Boost  
SATA III 2.5  
WD 4TB Gaming Drive Works with Playstation 4 Portable External Hard  
Drive.

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

for products in data:

```
    if products["category"] == "women's clothing" and products["price"]<20  
and products["rating"]["rate"]>4:  
    print(products)
```

**OUTPUT:**

```
{'id': 18, 'title': "MBJ Women's Solid Short Sleeve Boat Neck V ", 'price':  
9.85, 'description': '95% RAYON 5% SPANDEX, Lightweight fabric with  
great stretch for comfort.', 'category': "women's clothing", 'image':  
'https://fakestoreapi.com/img/71z3kpMAYsL._AC_UY879_.jpg', 'rating':  
{'rate': 4.7, 'count': 130}}  
{'id': 19, 'title': "Opna Women's Short Sleeve Moisture", 'price': 7.95,  
'description': '100% Polyester, Lightweight, roomy and highly breathable  
with moisture wicking fabric.', 'category': "women's clothing", 'image':  
'https://fakestoreapi.com/img/51eg55uWmdL._AC_UX679_.jpg', 'rating':  
{'rate': 4.5, 'count': 146}}
```

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

for items in data:

```
    if items["price"]<50 and items["rating"]["count"]>300:  
        print(items["title"])  
        print(items["price"])
```

**OUTPUT:**

Mens Casual Slim Fit  
15.99  
White Gold Plated Princess  
9.99  
Lock and Love Women's Removable Hooded Faux Leather Moto Biker  
Jacket



29.95

Rain Jacket Women Windbreaker Striped Climbing Raincoats

39.99

### 🔍 **Multiple Conditions:**

#### **1. Print jewellery products with rating > 3.5 and rating count ≥ 100.**

for items in data:

```
if items["category"]=="jewellery" and items["rating"]["count"]>=100 and
items["rating"]["rate"]>3.5:
    print(items)
```

#### **OUTPUT:**

```
{'id': 5, 'title': 'John Hardy Women's Legends Naga Gold & Silver Dragon
Station Chain Bracelet', 'price': 695, 'description': 'From our Legends
Collection, the Naga was inspired by the mythical water dragon that
protects the ocean's pearl.', 'category': 'jewellery', 'image':
'https://fakestoreapi.com/img/71pWzhdJNwL._AC_UL640_QL65_ML3_.j
pg', 'rating': {'rate': 4.6, 'count': 400}}
```

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

for items in data:

```
if items["category"] == "electronics" and "samsung" in items["title"] and
items["rating"]["count"] >300:
    print(items)
```

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

for items in data:

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

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

for items in data:

```
if len(items["description"]) > 300 and items["rating"]["rate"] > 4:
    print(items)
```

**OUTPUT:**

```
{'id': 2, 'title': 'Mens Casual Premium Slim Fit T-Shirts ', 'price': 22.3,
'description': 'Slim-fitting style, contrast raglan long sleeve, three-button
henley placket, light weight & soft fabric for breathable and comfortable
wearing. And Solid stitched shirts with round neck made for durability
and a great fit for casual fashion wear and diehard baseball fans. The
Henley style round neckline includes a three-button placket.', 'category':
'men's clothing', 'image': 'https://fakestoreapi.com/img/71-
3HjGNDUL._AC_SY879._SX._UX._SY._UY_.jpg', 'rating': {'rate': 4.1,
'count': 259}}
```