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

```
products = [
  {
    "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.",
    "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 sleeve, light soft fabric. Durable, breathable, and great for casual fashion wear.",
    "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": "Outerwear jacket for all seasons. Great gift for father, husband, or son.",
    "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": "Body builds vary, check size info in product description.",

    "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": 695.0,

    "description": "Inspired by the mythical dragon. Wear inward for love, outward for protection.",

    "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": 168.0,

    "description": "Designed and sold in the USA. 30-day return guarantee.",

    "category": "jewelery",

    "image": "https://fakestoreapi.com/img/61sbMiUnoGL._AC_UL640_QL65_ML3_.jpg",

    "rating": {"rate": 3.9, "count": 70}

  },

  {

    "id": 7,

    "title": "White Gold Plated Princess",

    "price": 9.99,

    "description": "Classic wedding and engagement promise ring. Ideal gift.",

```json
    "category": "jewelery",

    "image": "https://fakestoreapi.com/img/71YAIFU48IL._AC_UL640_QL65_ML3_.jpg",

    "rating": {"rate": 3.0, "count": 400}

  },

  {

    "id": 8,

    "title": "Pierced Owl Rose Gold Plated Stainless Steel Double",

    "price": 10.99,

    "description": "Made of 316L Stainless Steel. Rose gold plated tunnel plug earrings.",

    "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": 64.0,

    "description": "Fast data transfers. Formatted for Windows. High capacity.",

    "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": 109.0,

    "description": "Fast boot, shutdown, app load and response. 535MB/s read speed.",

    "category": "electronics",

    "image": "https://fakestoreapi.com/img/61U7T1koQqL._AC_SX679_.jpg",

    "rating": {"rate": 2.9, "count": 470}

  },
```

```json
{
    "id": 11,
    "title": "Silicon Power 256GB SSD 3D NAND A55 SLC Cache",
    "price": 109.0,
    "description": "High transfer speeds, 3D NAND, TRIM, RAID, and ECC supported.",
    "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",
    "price": 114.0,
    "description": "Expand your PS4 gaming experience. Portable and fast.",
    "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 Monitor",
    "price": 599.0,
    "description": "Ultra-thin IPS display with FreeSync. Great color and fast response.",
    "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": "Super ultrawide 32:9, QLED, 144Hz, 1ms. Great for gaming.",

    "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",

    "price": 56.99,

    "description": "3-in-1 detachable fleece liner. Waterproof and windproof.",

    "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 Faux Leather Biker Jacket",

    "price": 29.95,

    "description": "Faux leather with detachable hoodie. Stylish and functional.",

    "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, hooded, adjustable waist. Perfect for travel and casual wear.",

    "category": "women's clothing",

    "image": "https://fakestoreapi.com/img/71HblAHs5xL._AC_UY879_-2.jpg",

    "rating": {"rate": 3.8, "count": 679}

```json
    },
    {
      "id": 18,
      "title": "MBJ Women's Solid Short Sleeve Boat Neck V",
      "price": 9.85,
      "description": "Lightweight, ribbed sleeves, and neckline. 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": "Lightweight polyester, moisture-wicking, slim fit V-neck.",
      "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": "Soft cotton, short sleeve, V-neck, suitable for all seasons.",
      "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["price"]>100 and items["category"]=="jewelery":
        print(items)
```

output:

{'id': 5, 'title': "John Hardy Women's Legends Naga Gold & Silver Dragon Station Chain Bracelet", 'price': 695.0, 'description': 'Inspired by the mythical dragon. Wear inward for love, outward for protection.', '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': 168.0, 'description': 'Designed and sold in the USA. 30-day return guarantee.', '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[ "rating"]["rate"]>4.5 and items["category"]=="electronics":
    print(items["title"])
```

output:

Silicon Power 256GB SSD 3D NAND A55 SLC Cache

WD 4TB Gaming Drive Works with Playstation 4

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': 'Lightweight, ribbed sleeves, and neckline. 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': 'Lightweight polyester, moisture-wicking, slim fit V-neck.', '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["rating"]["count"]>300 and items["price"]<50:
        print(items["title"])
```

output:

Mens Casual Slim Fit

White Gold Plated Princess

Lock and Love Women's Faux Leather Biker Jacket

Rain Jacket Women Windbreaker Striped Climbing Raincoats

Multiple Conditions:

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

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

output:

{'id': 5, 'title': "John Hardy Women's Legends Naga Gold & Silver Dragon Station Chain Bracelet", 'price': 695.0, 'description': 'Inspired by the mythical dragon. Wear inward for love, outward for protection.', 'category': 'jewelery', 'image': 'https://fakestoreapi.com/img/71pWzhdJNwL._AC_UL640_QL65_ML3_.jpg', 'rating': {'rate': 4.6, 'count': 400}}

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

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

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 > 4.

```
for product in data:

    if len(product["description"]) > 300 and product["rating"]["rate"] > 4:

        print(items)
```