

PYTHON PRACTICE 25th ACCESSING DICT WITH LOOP

```
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",
```

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"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. Good gift choice for you or your family member. A warm hearted love to Father, husband or son in this thanksgiving or Christmas Day.",
  "category": "men's clothing",
  "image": "https://fakestoreapi.com/img/71li-ujtIUL._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. / Please note that body builds vary by person, therefore, detailed size information should be reviewed below on the 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,

"description": "From our Legends Collection, the Naga was inspired by the mythical water dragon that protects the ocean's pearl. Wear facing inward to be bestowed with love and abundance, or 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,
"description": "Satisfaction Guaranteed. Return or exchange any order within 30
days.Designed and sold by Hafeez Center in the United States. 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
},
{
  "id": 7,
  "title": "White Gold Plated Princess",
  "price": 9.99,
  "description": "Classic Created Wedding Engagement Solitaire Diamond Promise Ring for Her.
Gifts to spoil your love more for Engagement, Wedding, Anniversary, Valentine's Day...",
  "category": "jewelery",
  "image": "https://fakestoreapi.com/img/71YAIFU48IL._AC_UL640_QL65_ML3_.jpg",
  "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 (As compared to 5400 RPM SATA 2.5” hard drive; Based on published specifications and internal benchmarking tests using PCMark vantage scores) Boosts burst write performance, making it ideal for typical PC workloads The perfect balance of performance and reliability Read/write speeds of up to 535MB/s/450MB/s (Based on internal testing; Performance may vary depending upon drive capacity, host device, OS and application.)",  
  
  "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 Remarkable transfer speeds that enable faster bootup and improved overall system performance. The advanced SLC Cache Technology allows performance boost and longer lifespan 7mm slim design suitable for Ultrabooks and Ultra-slim notebooks. Supports TRIM command, Garbage Collection technology,
```

RAID, and ECC (Error Checking & Correction) to provide the optimized performance and enhanced reliability.",

"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, 3-year manufacturer's limited warranty",

"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 (1920 x 1080) IPS Ultra-Thin",

"price": 599,

"description": "21.5 inches Full HD (1920 x 1080) widescreen IPS display And Radeon free Sync technology. No compatibility for VESA Mount Refresh Rate: 75Hz - Using HDMI port Zero-frame design | ultra-thin | 4ms response time | IPS panel Aspect ratio - 16: 9. Color Supported - 16.7 million colors. Brightness - 250 nit Tilt angle -5 degree to 15 degree. Horizontal viewing angle-178 degree. Vertical viewing angle-178 degree 75 hertz",

"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 (LC49HG90DMNXZA) – Super Ultrawide Screen QLED ",

"price": 999.99,

"description": "49 INCH SUPER ULTRAWIDE 32:9 CURVED GAMING MONITOR with dual 27 inch screen side by side QUANTUM DOT (QLED) TECHNOLOGY, HDR support and factory calibration provides stunningly realistic and accurate color and contrast 144HZ HIGH REFRESH RATE and 1ms ultra fast response time work to eliminate motion blur, ghosting, and reduce input lag",

"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": "Note:The Jackets is US standard size, Please choose size as your usual wear
Material: 100% Polyester; Detachable Liner Fabric: Warm Fleece. Detachable Functional Liner:
Skin Friendly, Lightweight and Warm.Stand Collar Liner jacket, keep you warm in cold weather.
Zippered Pockets: 2 Zippered Hand Pockets, 2 Zippered Pockets on Chest (enough to keep cards
or keys)and 1 Hidden Pocket Inside.Zippered Hand Pockets and Hidden Pocket keep your things
secure. Humanized Design: Adjustable and Detachable Hood and Adjustable cuff to prevent the
wind and water,for a comfortable fit. 3 in 1 Detachable Design provide more convenience, you
can separate the coat and inner as needed, or wear it together. It is suitable for different season
and help you adapt to different climates",
  "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": "100% POLYURETHANE(shell) 100% POLYESTER(lining) 75% POLYESTER 25% COTTON (SWEATER), Faux leather material for style and comfort / 2 pockets of front, 2-For-One Hooded denim style faux leather jacket, Button detail on waist / Detail stitching at sides, HAND WASH ONLY / DO NOT BLEACH / LINE DRY / DO NOT IRON",

"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---Long sleeve with hooded, adjustable drawstring waist design. Button and zipper front closure raincoat, fully stripes Lined and The Raincoat has 2 side pockets are a good size to hold all kinds of things, it covers the hips, and the hood is generous but doesn't overdo it. Attached Cotton Lined Hood with Adjustable Drawstrings give it a real styled look.",

"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, Made in USA or Imported, Do Not Bleach,  
  Lightweight fabric with great stretch for comfort, Ribbed on sleeves and neckline / Double  
  stitching on bottom hem",  
  "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, Machine wash, 100% cationic polyester interlock, Machine  
  Wash & Pre Shrunk for a Great Fit, Lightweight, roomy and highly breathable with moisture  
  wicking fabric which helps to keep moisture away, Soft Lightweight Fabric with comfortable V-  
  neck collar and a slimmer fit, delivers a sleek, more feminine silhouette and Added Comfort",  
  "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, Features: Casual, Short Sleeve, Letter Print,V-Neck,Fashion Tees, The fabric is soft and has some stretch., Occasion: Casual/Office/Beach/School/Home/Street. Season: Spring,Summer,Autumn,Winter.",
    "category": "women's clothing",
    "image": "https://fakestoreapi.com/img/61pHAEJ4NML._AC_UX679_.jpg",
    "rating": {
        "rate": 3.6,
        "count": 145
    }
}
]

```

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

for item in data:

```
    if item["category"] == "men's clothing":
```

```
        print(item["title"])
```

o/p: Foldsack No. 1 Backpack, Fits 15 Laptops

Mens Casual Premium Slim Fit T-Shirts

Mens Cotton Jacket

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

for item in data:

if item["price"] >100 and item["category"] == "jewelery":

print(item["price"])

o/p:

{'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. Wear facing inward to be bestowed with love and abundance, or 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, 'description': 'Satisfaction Guaranteed. Return or exchange any order within 30 days.Designed and sold by Hafeez Center in the United States. 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}}

#Display titles of electronics with rating above 4.5.

for item in data:

if item["title"] == "electronics" and item["rating"]["rate"] > 4.5:

print(item["title"])

else:

print("no item found")

o/p:

no item found

no item found

no item found

no item found

no item found

no item found

no item found

no item found

no item found

no item found

no item found

no item found

no item found

no item found

no item found

no item found

no item found

no item found

no item found

no item found

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

for item in data:

if item["category"] == "women's clothing" :

if item["price"] < 20 and item["rating"]["rate"] >4:

print(item)

o/p:

```
{'id': 18, 'title': "MBJ Women's Solid Short Sleeve Boat Neck V ", 'price': 9.85, 'description': '95%  
RAYON 5% SPANDEX, Made in USA or Imported, Do Not Bleach, Lightweight fabric with great  
stretch for comfort, Ribbed on sleeves and neckline / Double stitching on bottom hem',  
'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, Machine wash, 100% cationic polyester interlock, Machine Wash & Pre Shrunk for a  
Great Fit, Lightweight, roomy and highly breathable with moisture wicking fabric which helps to  
keep moisture away, Soft Lightweight Fabric with comfortable V-neck collar and a slimmer fit,  
delivers a sleek, more feminine silhouette and Added Comfort', 'category': "women's clothing",  
'image': 'https://fakestoreapi.com/img/51eg55uWmdL._AC_UX679_.jpg', 'rating': {'rate': 4.5,  
'count': 146}}
```

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

for item in data:

```
    if item["rating"]["count"] > 300 and item["price"] < 50:
```

```
        print(item["title"],item["price"])
```

o/p:

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

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

for item in data:

```
    if item["category"] == "jewellery":
```

```
        if item["rating"]["rate"] > 3.5 and item["rating"]["count"] >= 100:
```

```
            print(item)
```

o/p:

```
{'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. Wear facing inward to be bestowed with love and  
abundance, or outward for protection.', 'category': 'jewelery', 'image':  
'https://fakestoreapi.com/img/71pWzhdJNwL_AC_UL640_QL65_ML3_.jpg', 'rating': {'rate': 4.6,  
'count': 400}}
```

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

for item in data:

```
    if item["category"] == "electronics":  
        if "Samsung" in item["title"] and item["rating"]["count"] > 300:  
            print(item)  
        else:  
            print("No Samsung electronics found with rating count > 300")
```

o/p:

No Samsung electronics found with rating count > 300

No Samsung electronics found with rating count > 300

No Samsung electronics found with rating count > 300

No Samsung electronics found with rating count > 300

No Samsung electronics found with rating count > 300

No Samsung electronics found with rating count > 300

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

for item in data:

```
    if item["category"] == "men's clothing" and (item["price"]> 50 or item["rating"]["rate"]<3.5):  
        print(item)  
    else:  
        print("no item found")
```


o/p:

no item found

no item found

no item found

no item found

no item found

no item found

no item found

no item found

no item found

no item found

no item found

no item found

no item found

no item found

no item found

no item found

#Display all products where description length > 300 characters and rating > 4.for item in data:

for item in data:

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

print(item)

o/p:

{'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. Good gift choice for you or your family member. A warm hearted love to Father, husband or son in this thanksgiving or Christmas Day.', 'category': "men's clothing", 'image': 'https://fakestoreapi.com/img/71li-ujtIUL._AC_UX679_.jpg', 'rating': {'rate': 4.7, 'count': 500}}

{'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 Remarkable transfer speeds that enable faster bootup and improved overall system performance. The advanced SLC Cache Technology allows performance boost and longer lifespan 7mm slim

design suitable for Ultrabooks and Ultra-slim notebooks. Supports TRIM command, Garbage Collection technology, RAID, and ECC (Error Checking & Correction) to provide the optimized performance and enhanced reliability.', 'category': 'electronics', 'image': 'https://fakestoreapi.com/img/71kWymZ+c+L._AC_SX679_.jpg', 'rating': {'rate': 4.8, 'count': 319}}

{'id': 19, 'title': "Opna Women's Short Sleeve Moisture", 'price': 7.95, 'description': '100% Polyester, Machine wash, 100% cationic polyester interlock, Machine Wash & Pre Shrunk for a Great Fit, Lightweight, roomy and highly breathable with moisture wicking fabric which helps to keep moisture away, Soft Lightweight Fabric with comfortable V-neck collar and a slimmer fit, delivers a sleek, more feminine silhouette and Added Comfort', 'category': "women's clothing", 'image': 'https://fakestoreapi.com/img/51eg55uWmdL._AC_UX679_.jpg', 'rating': {'rate': 4.5, 'count': 146}}

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

sum = 0

for item in data:

```
sum += item["price"]

avg = sum/ len(data)

if item["category"] == "electronics":

    if item["price"]> avg:

        print(item)
```

o/p:

```
{'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 (As compared to
5400 RPM SATA 2.5" hard drive; Based on published specifications and internal benchmarking
tests using PCMark vantage scores) Boosts burst write performance, making it ideal for typical
PC workloads The perfect balance of performance and reliability Read/write speeds of up to
535MB/s/450MB/s (Based on internal testing; Performance may vary depending upon drive
capacity, host device, OS and application.)', '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
Remarkable transfer speeds that enable faster bootup and improved overall system
performance. The advanced SLC Cache Technology allows performance boost and longer
lifespan 7mm slim
```

```
design suitable for Ultrabooks and Ultra-slim notebooks. Supports TRIM command, Garbage
Collection technology, RAID, and ECC (Error Checking & Correction) to provide the optimized
performance and enhanced reliability.', '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, 3-year manufacturer's limited warranty", '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 (1920 x 1080) IPS Ultra-Thin', 'price': 599,  
'description': '21. 5 inches Full HD (1920 x 1080) widescreen IPS display And Radeon free Sync  
technology. No compatibility for VESA Mount Refresh Rate: 75Hz - Using HDMI port Zero-frame  
design | ultra-thin | 4ms response time | IPS panel Aspect ratio - 16: 9. Color Supported - 16. 7  
million colors. Brightness - 250 nit Tilt angle -5 degree to 15 degree. Horizontal viewing angle-  
178 degree. Vertical viewing angle-178 degree 75 hertz', 'category': 'electronics', 'image':  
'https://fakestoreapi.com/img/81QpkltqPL._AC_SX679_.jpg', 'rating': {'rate': 2.9, 'count': 250}}
```

```
{'id': 14, 'title': 'Samsung 49-Inch CHG90 144Hz Curved Gaming Monitor (LC49HG90DMNXZA) –  
Super Ultrawide Screen QLED ', 'price': 999.99, 'description': '49 INCH SUPER ULTRAWIDE 32:9  
CURVED GAMING MONITOR with dual 27 inch screen side by side QUANTUM DOT (QLED)  
TECHNOLOGY, HDR support and factory calibration provides stunningly realistic and accurate  
color and contrast 144HZ HIGH REFRESH RATE and 1ms ultra fast response time work to  
eliminate motion blur, ghosting, and reduce input lag', 'category': 'electronics', 'image':  
'https://fakestoreapi.com/img/81Zt42ioCgL._AC_SX679_.jpg', 'rating': {'rate': 2.2, 'count': 140}}
```

#Print all items that include the word "cotton" in description and rating \geq 4.

for item in data:

```
    if "cotton" in item["description"] and item["rating"]["rate"] >= 4:
```

```
        print(item)
```

```
    else:
```

```
        print("No items found with 'cotton' in description and rating  $\geq$  4")
```

o/p:

No items found with 'cotton' in description and rating \geq 4

No items found with 'cotton' in description and rating \geq 4

No items found with 'cotton' in description and rating \geq 4

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No items found with 'cotton' in description and rating ≥ 4

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

for item in data:

if item["rating"]["rate"] ≥ 3.0 and item["rating"]["rate"] ≤ 4.0 :

if item["rating"]["count"] > 100:

print(item)

o/p:

{'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': 7, 'title': 'White Gold Plated Princess', 'price': 9.99, 'description': "Classic Created Wedding Engagement Solitaire Diamond Promise Ring for Her. Gifts to spoil your love more

for Engagement, Wedding, Anniversary, Valentine's Day...", 'category': 'jewelery', 'image':
'https://fakestoreapi.com/img/71YAIFU48IL._AC_UL640_QL65_ML3_.jpg', 'rating': {'rate': 3,
'count': 400}}

{'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': 17, 'title': 'Rain Jacket Women Windbreaker Striped Climbing Raincoats', 'price': 39.99,
'description': "Lightweight perfect for trip or casual wear---Long sleeve with hooded, adjustable
drawstring waist design. Button and zipper front closure raincoat, fully stripes Lined and The
Raincoat has 2 side pockets are a good size to hold all kinds of things, it covers the hips, and the
hood is generous but doesn't overdo it.Attached Cotton Lined Hood with Adjustable Drawstrings
give it a real styled look.", 'category': 'women's clothing', 'image':
'https://fakestoreapi.com/img/71HblAHs5xL._AC_UY879_-2.jpg', 'rating': {'rate': 3.8, 'count':
679}}

{'id': 20, 'title': 'DANVOUY Womens T Shirt Casual Cotton Short', 'price': 12.99, 'description':
'95%Cotton,5%Spandex, Features: Casual, Short Sleeve, Letter Print,V-Neck,Fashion Tees,

The fabric is soft and has some stretch., Occasion: Casual/Office/Beach/School/Home/Street.
Season: Spring,Summer,Autumn,Winter.', 'category': 'women's clothing', 'image':
'https://fakestoreapi.com/img/61pHAEJ4NML._AC_UX679_.jpg', 'rating': {'rate': 3.6, 'count':
145}}

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

for item in data:

if item["price"] < 20 and (item["category"]=="jewelery" or "electronics"):

print(item["title"])

o/p:

Mens Casual Slim Fit

White Gold Plated Princess

Pierced Owl Rose Gold Plated Stainless Steel Double

MBJ Women's Solid Short Sleeve Boat Neck V

Opna Women's Short Sleeve Moisture

DANVOUY Womens T Shirt Casual Cotton Short

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

for item in data:

if item["category"] == "women's clothing" and (item["rating"]["rate"] < 3 and item["price"] > 25):

print(item)

else:

print("NO item detected with rating < 3 and price > 25")

o/p:-

NO item detected with rating < 3 and price > 25

NO item detected with rating < 3 and price > 25

NO item detected with rating < 3 and price > 25

NO item detected with rating < 3 and price > 25

NO item detected with rating < 3 and price > 25

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NO item detected with rating < 3 and price > 25

NO item detected with rating < 3 and price > 25

NO item detected with rating < 3 and price > 25

NO item detected with rating < 3 and price > 25

#Show all items where rating < 3 or rating count > 400 in the electronics category

for item in data:

```
    if (item["rating"]["rate"] < 3 and item["rating"]["count"] > 400) and (item["category"]==  
    "electronics"):
```

```
        print(item)
```

```
    else:
```

```
        print("No items found with rating < 3 or rating count > 400 in electronics category")
```

o/p:-

No items found with rating < 3 or rating count > 400 in electronics category

No items found with rating < 3 or rating count > 400 in electronics category

No items found with rating < 3 or rating count > 400 in electronics category

No items found with rating < 3 or rating count > 400 in electronics category

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