

Q.Take Fakestore API and take empty array and push all the products whose category is men's clothing?

Ans:

- First I haven taken products data from fakeStore and assigned the data to a variable called protects (**let products=[{fakestore data},{fakestore data},.....]**).
- Then I have declared an empty array with a variable name called array (**let array=[ ]**).
- Then i have taken for of loop (**for(i of products){}**) to iterate the data in the products array as shown below.
- In this loop I have printed the products that have the category (**"category": "men's clothing"**) men's clothing.
- Then i pushed these products in to empty array with push method (**array.push(i)**) .
- Then i have logged the empty array (**console.log(array)**) then we get the products only with category of men's clothing.

```
let 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, 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
        }
    },{.....}]

let array=[]

for(i of products){

    if(i.category === "men's clothing"){
        array.push(i)
        count++
    }

}

console.log(array); // we get products of only category
men's clothing

```

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Another Method: (filter method)

- Take a variable as shown below assign filter method filter method to it and return the value and log the variable then we will get the products of only men's clothing in an array

```
// Using Filter Method
let mens=products.filter((val)=>{
  return val.category==="men's clothing"
})
console.log(mens) ;
```

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Q.Take Fakestore API and take empty array and push all the products whose categories are mentioned in separate array run the output using Node

Ans:

Firstly take an empty array to store the products of required category in the array. Separate the products by iterating the array as mention required category products in that array now iterate the fakestore data in that loop now take if condition that if(arr[i]===products[j].category) then push the products to the empty array then log the empty array.

Now we have to open the terminal and give the path of the folder in which the file is created as ( cd .\path\ ) press enter and then run the file like (node .\file name ) and press enter you will see the output in terminal

```
let 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,
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_.jp
g",
        "rating": {
            "rate": 4.1,
            "count": 259
        }
    },{.....}]];

let arr=["men's clothing","jewelery"]

let match=[]

for(i=0;i<arr.length;i++){
    for(j=0;j<products.length;j++){
        // console.log(products[i].category);
        if(arr[i]==products[j].category){
            match.push(products[j]);
        }
    }
}}

```

```
console.log("Matched",match);  
  
console.log("Matched",match.length);
```