

Yes! Exactly.\ Anything written **after the ?** in a URL is a **query parameter**.

## Simple Rule

 **Everything after the ? in a URL = query parameters**

 **Everything after & = additional query parameters**

## Example

URL:

/items?name=phone&price=500

Breakdown:

- /items → path
- ?name=phone → first query parameter
- &price=500 → second query parameter

So here:

Parameter	Value
name	phone
price	500

## Example in FastAPI

```
@app.get("/items")
def get_items(name: str | None = None, price: int | None = None):
    return {"name": name, "price": price}
```

## Call it like:

/items?name=laptop&price=1000



## Easy way to remember

- Path parameters = inside the URL path\ Example: /users/5 → 5 is a path parameter
- Query parameters = after ?\ Example: /users?active=true → active is a query parameter



## Quick Visual

/endpoint?key=value&key2=value2  
↑               ↑  
query           query  
param          param

Great question, Abdul — and understanding this will make REST APIs much clearer for you.\ Let's break it down **simply and deeply** so it becomes easy to remember forever. 



## Why is it called a query parameter?

Because **it is used to "query" (ask questions/filter/search) the server.**

Just like in a database you "query" data:

SELECT \* FROM users WHERE age > 30;

In URLs, query parameters do the same thing — they help you filter, search, or customize the response.

That's why they're called **query** parameters.

# Breakdown of the meaning

## “Query”

Means:

- to ask a question
- to filter results
- to search
- to narrow down data

## “Parameter”

Means:

- a value you pass to the server

Combine them:

**Query Parameter = a value in the URL that asks the server for specific filtered data.**

# Where do query parameters appear?

After a ? in a URL:

/items?search=phone&limit=20

Everything after ? is a **query string**. Each part (like search=phone) is a **query parameter**.

# Example: Why this is querying

URL:

/products?category=shoes&price\_lt=100

This is literally a **query** to the server:

"Give me products where category is shoes and price is less than 100."

Just like a database query.

## Think of it like Google search

Google URL:

<https://google.com/search?q=fastapi+tutorial>

q=fastapi+tutorial is a **query parameter**.

Because you're **querying** Google with your search.

## Summary (very simple)

Term	Meaning
Query	Asking for data / filtering
Parameter	A value you pass
Query Parameter	A value you pass in the URL to filter/search

## Final short explanation (your interview answer)

It's called a **query parameter** because it is used to query the server by providing optional filtering or search information through the URL, after the ?.

