

### Path Parameters:

- What are path parameters in FastAPI?
- How are path parameters defined in FastAPI route declarations?
- Can path parameters have default values? If yes, how can they be set?
- Provide an example of a FastAPI route with path parameters.

### Query Parameters:

- What are query parameters in FastAPI?
- How are query parameters defined in FastAPI route declarations?
- What is the difference between path parameters and query parameters?
- Can query parameters have default values? If yes, how can they be set?
- Provide an example of a FastAPI route with query parameters.

### Combining Path and Query Parameters:

- Can a FastAPI route have both path parameters and query parameters? If yes, provide an example.
- What is the order of precedence if a parameter is defined both in the path and as a query parameter?

### Data Types and Validation:

- How does FastAPI handle data types and validation for path and query parameters?
- What are some common data types that can be used for path and query parameters?
- How can you enforce validation rules on path and query parameters in FastAPI?

### Usage and Benefits:

- In what scenarios would you use path parameters over query parameters, and vice versa?
- What are the benefits of using path and query parameters in API design?
- Can you provide examples of real-world use cases where path and query parameters would be employed effectively?

### Error Handling:

- How does FastAPI handle errors related to missing or invalid path/query parameters?
- Can you customize error responses for cases where required parameters are missing or validation fails?

**SUBMISSION:**

1. Create a Github Repo Called Backend Learning African Plan
2. Put the answers of the above questions in a "path-query\_ass.md" file and push
3. Please arrange your answers by headers like above in your "path-query\_ass.md" file (research this or ask your friends)