* to run the live server:

- The command: uvicorn main:app --reload

  • app: object created inside of main.py

  • --reload: make the server restart after code changes.

* Path:-

- refers hier the last part of the URL (/).

- called "endpoint" or "route".

* Operations:-

• POST: to create data.

• GET: to read data.

• PUT: to update data.

• DELTE: to delete data.

• OPTIONS

• HEAD

• PATCH

• TRACE

* @app.get("/") tells FastAPI that the function right below
  is in handling requests that go to:

  • the Path /
  • using a get operation.

- other operations:

@app.post().   @app.head().

@app.put().   @app.patch().

@app.delete().   @app.trace().

@app.options().

- async def root()
  └──→ A synchronous code:
       means that the language has a way to tell the
       Programmr that at some point in the code, it
       will have to wait for some thing else to finish
       somewehre else.

=) This function (root()) will be called by fastAPI whenever
it receives a request to the URL "/" using GET operation.

a For retur the content:
it can be returend a dict, list or singular values as str, int, ...

RECAP:

- Import FastAPI.
- Create app instance.
- Write a path operation decorator (like @app.get("/")).
- write a Path operation function (like def root():---)
- Run the server (like uvicorn main:app --reload).