Département de Génie Informatique et Communication
Department of Information and Communication Engineering

Topic : TP09

Subject : Internet Programming

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Group : I4-GIC-C

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GitHub Link:

https://github.com/yorng-tonghy/TP08_IP-TP09_IP/tree/TP09

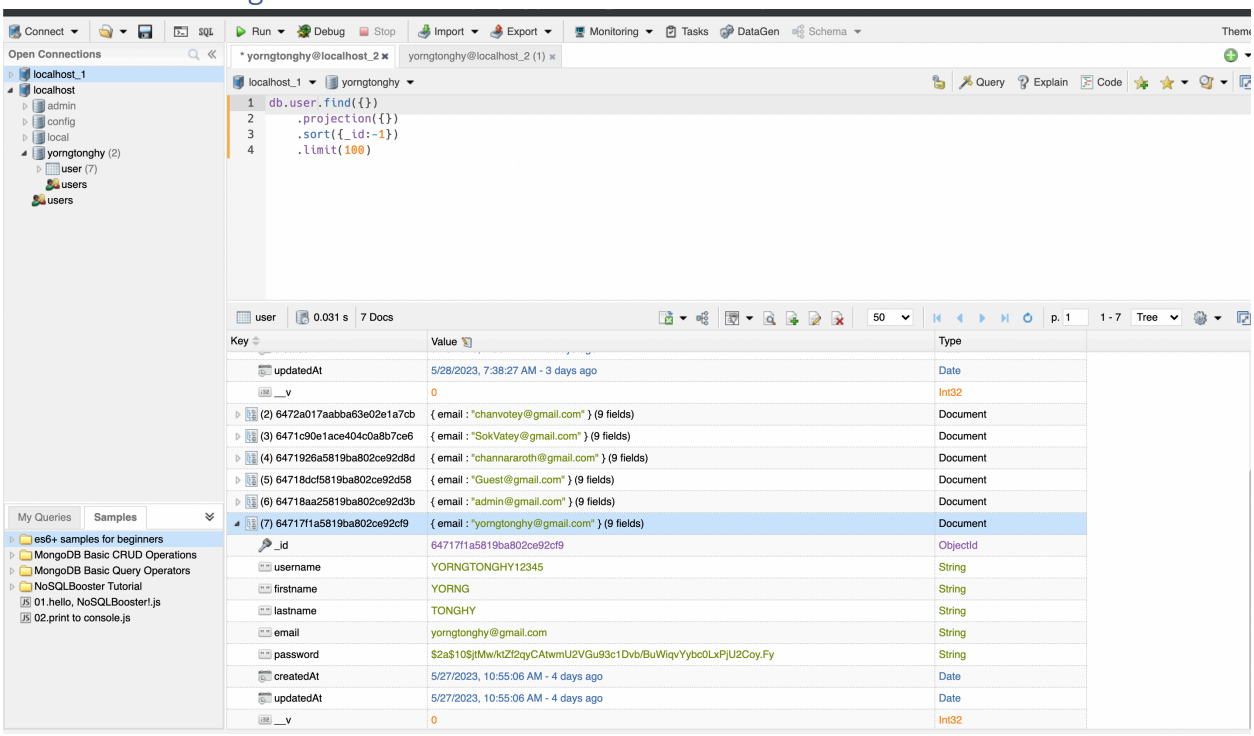
Exercise 1:

TP9.1: Node JS (Mongo Database)

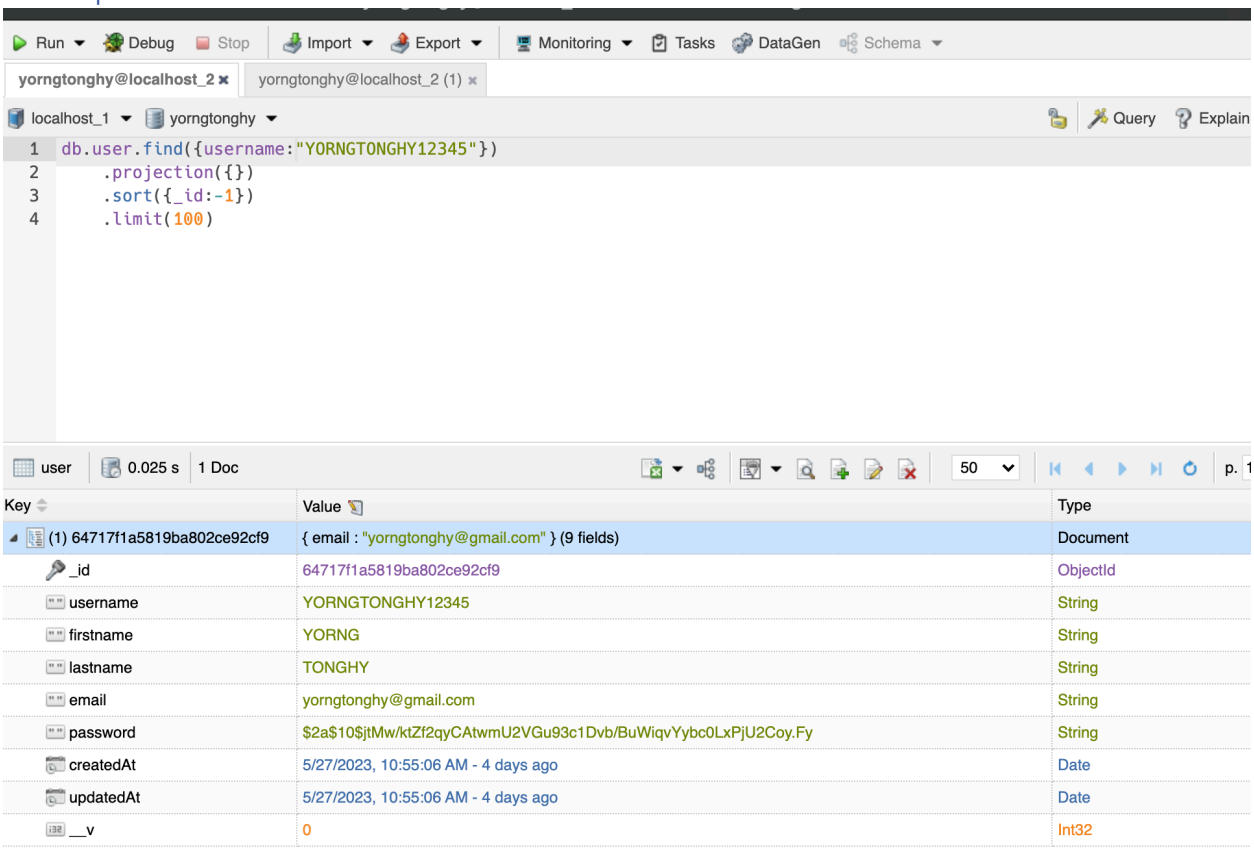
Ex1: For the previous authentication APIs, replace your user.json storage by a Nosql database, Mongoose

-Result of Exercise1:

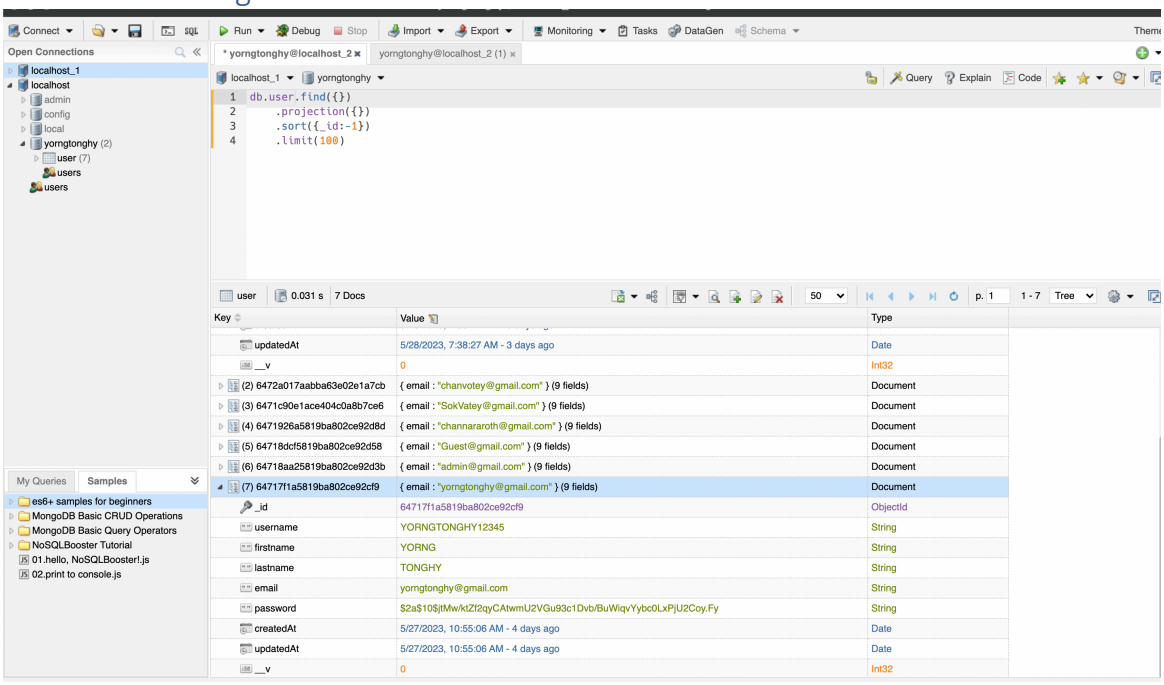
- Connect to Mongo DB



-Find specific username



-List data in mongoDB



TP09.2: Nodejs (Authentication Implementation)

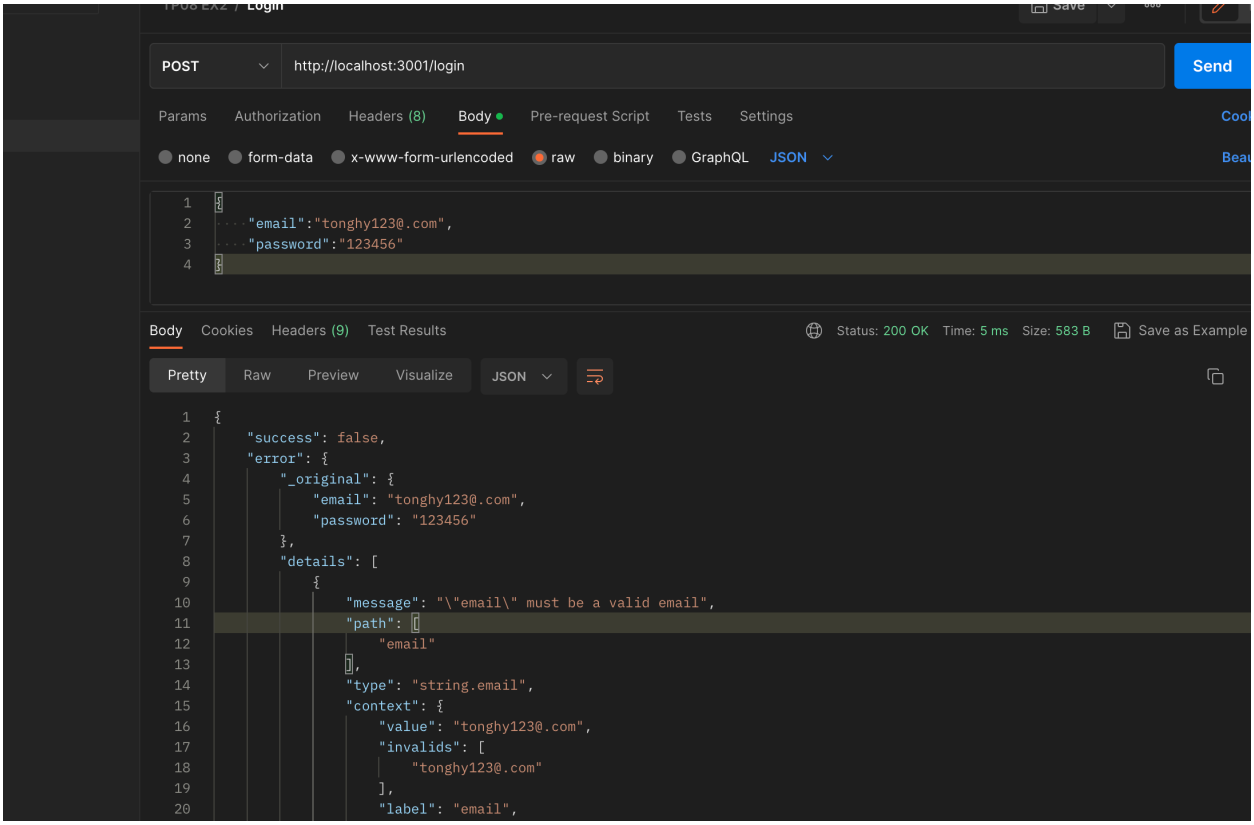
Ex2: Implement the authentication with the password encryption and request validation middleware

Result of Ex2:

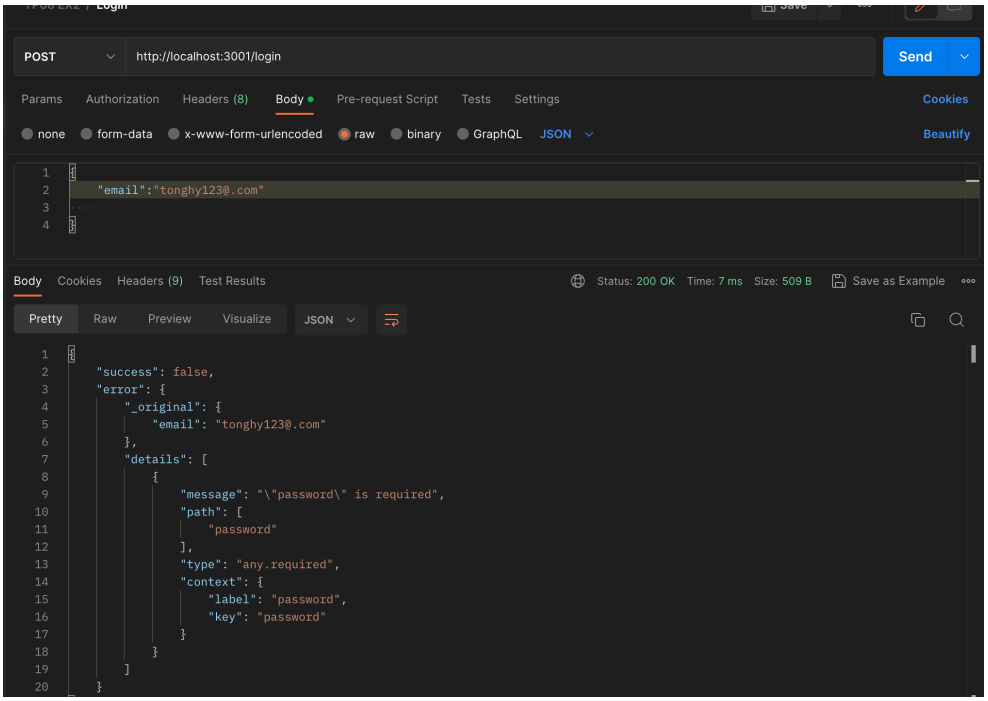
Encrypted user accounts

Key	Value	Type
(1) 64717f1a5819ba802ce92cf9	{ email : "yorngtonghy@gmail.com" } (9 fields)	Document
_id	64717f1a5819ba802ce92cf9	ObjectId
username	YORNGTONGHY12345	String
firstname	YORNG	String
lastname	TONGHY	String
email	yorngtonghy@gmail.com	String
password	$2a$10$jtMw/ktZf2qyCAtwmU2VGu93c1Dvb/BuWiqvYybc0LxPjU2Coy.Fy	String
createdAt	5/27/2023, 10:55:06 AM - 4 days ago	Date
updatedAt	5/27/2023, 10:55:06 AM - 4 days ago	Date
__v	0	Int32

-Request valid Email



-Request valid Password

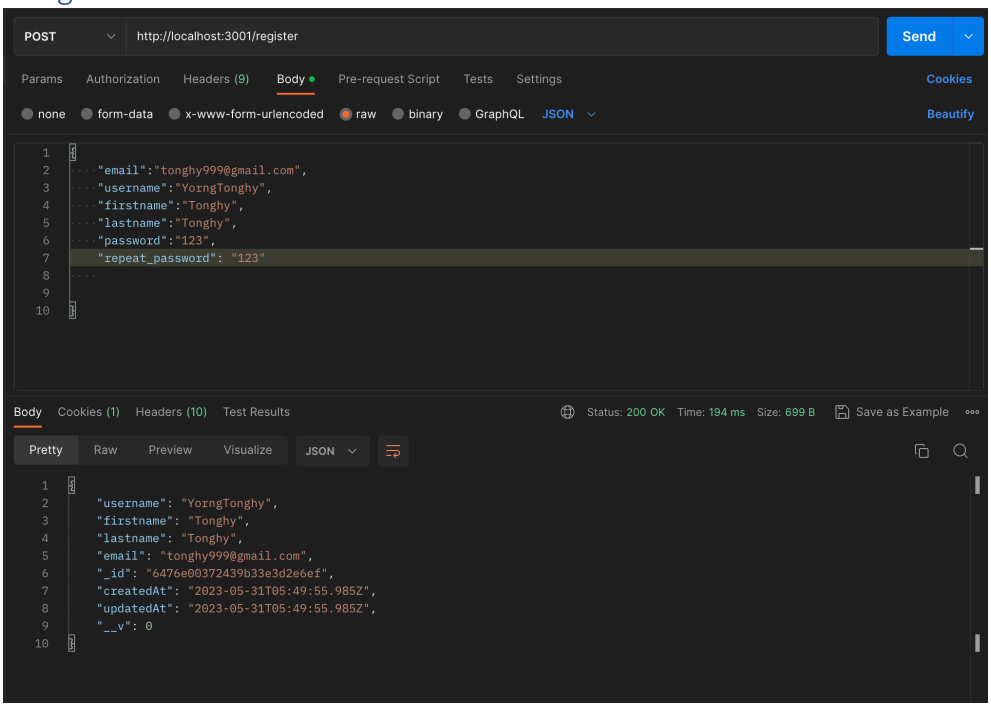


TP09.3: NodeJS (Token, Cookie)

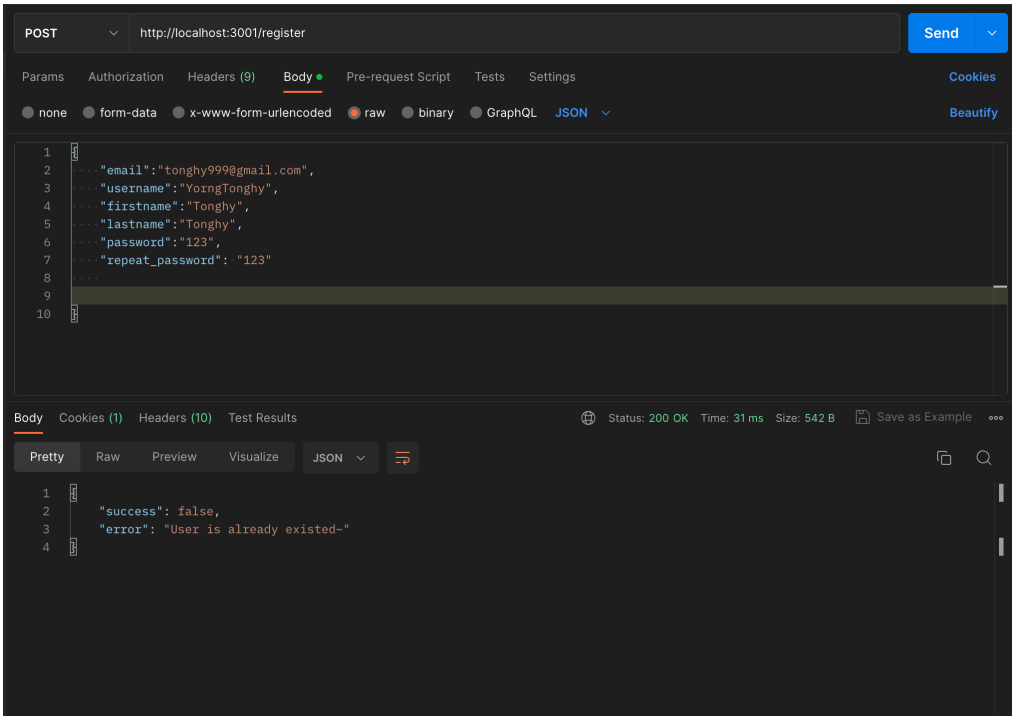
Ex3: Create a token of an authenticated user and store it in the cookie for ensuring the authorized user. The token validation method must be a middleware function.

Result of Ex3:

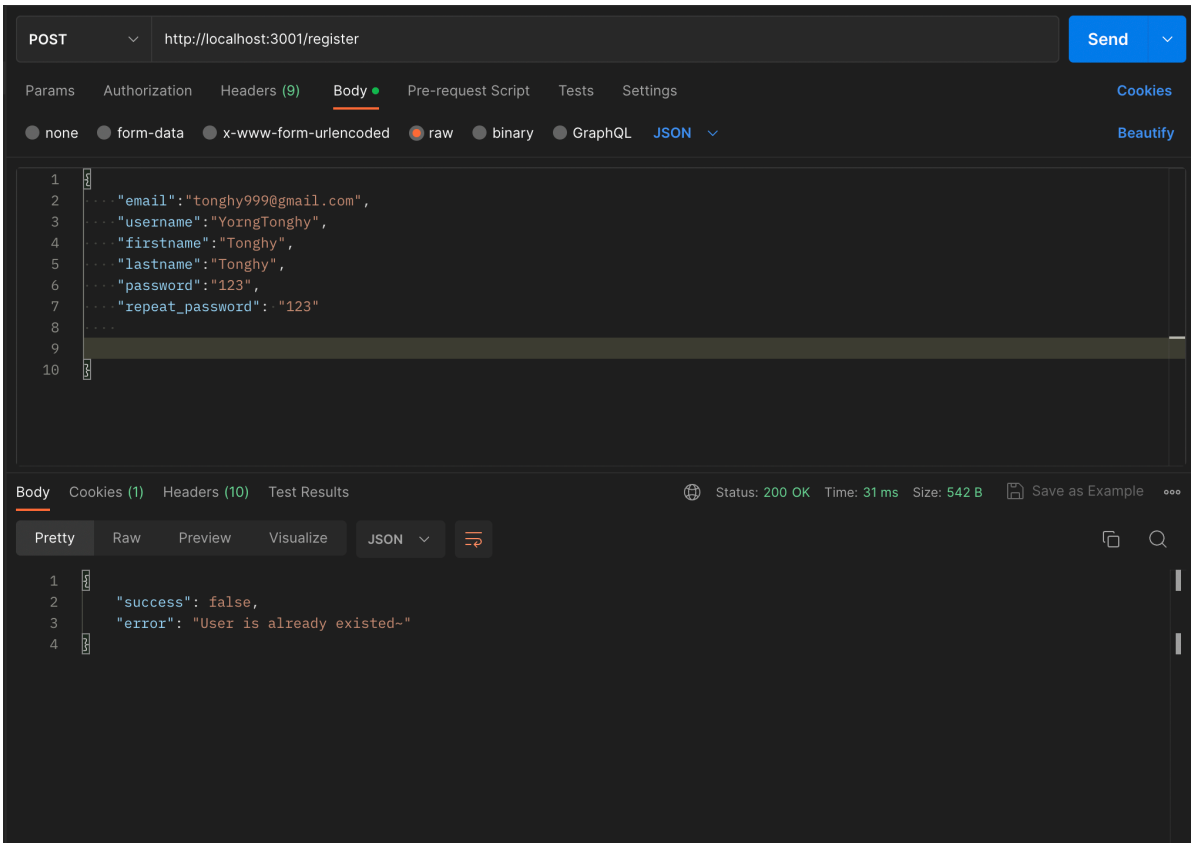
- Register User Account

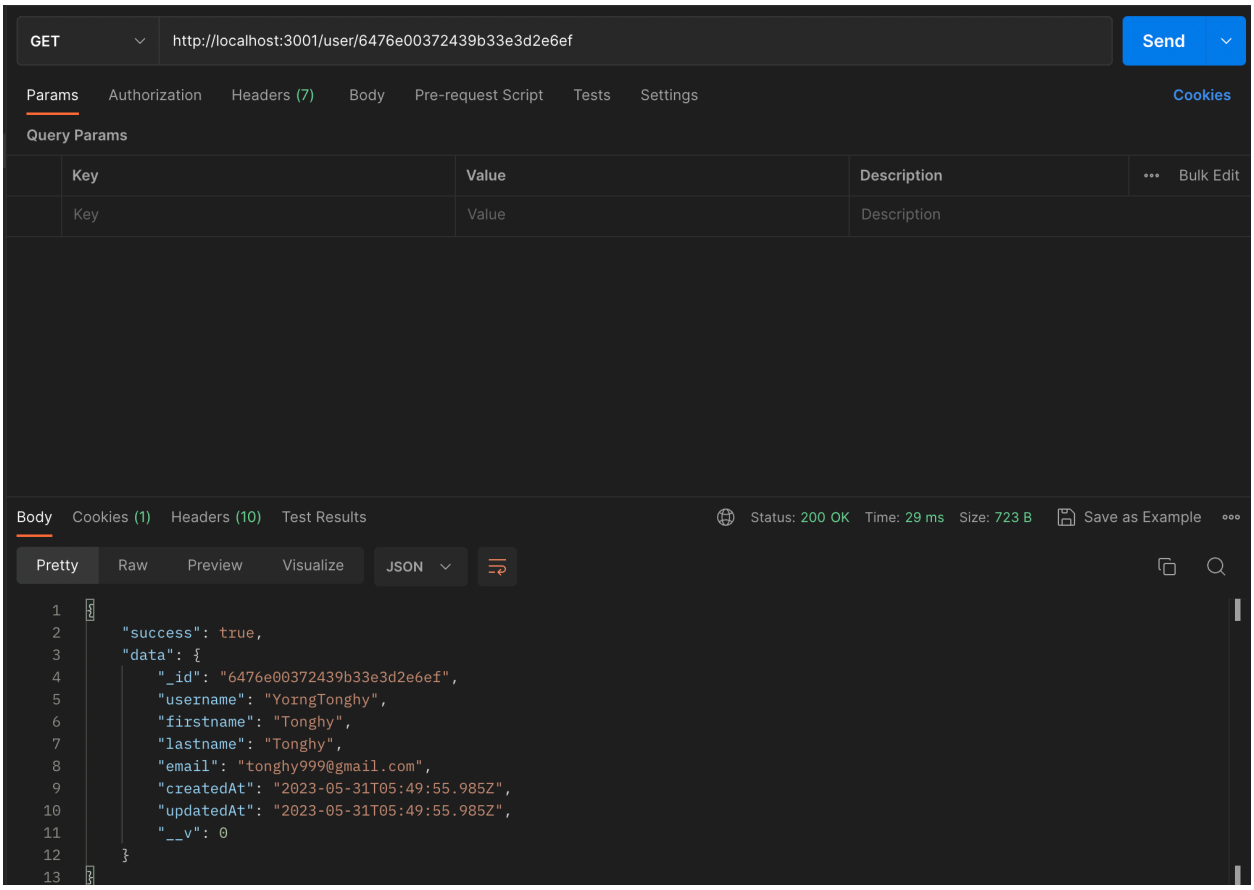


-Register user account if user already existed

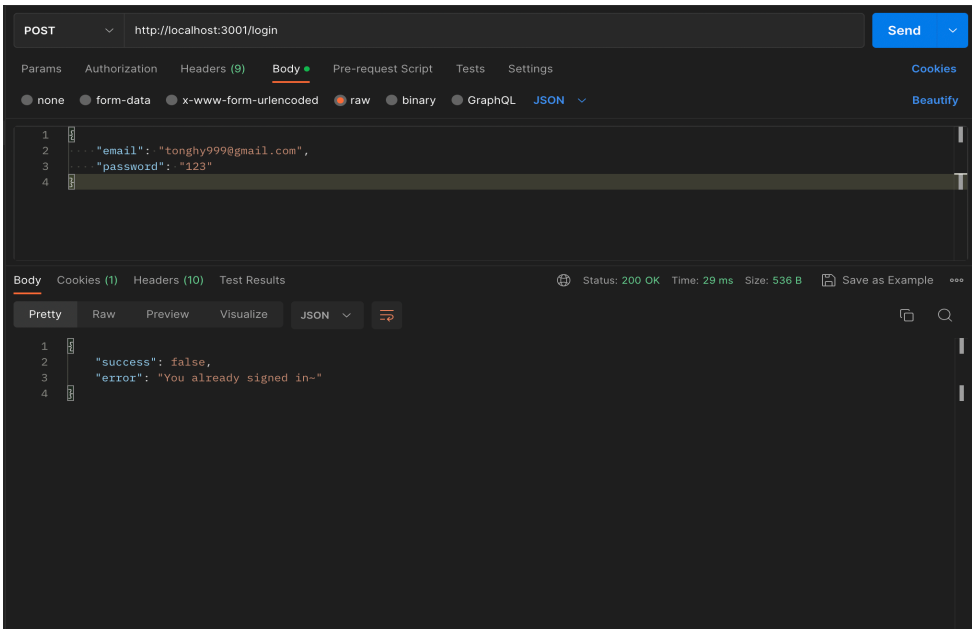


- login to user account just input _id:

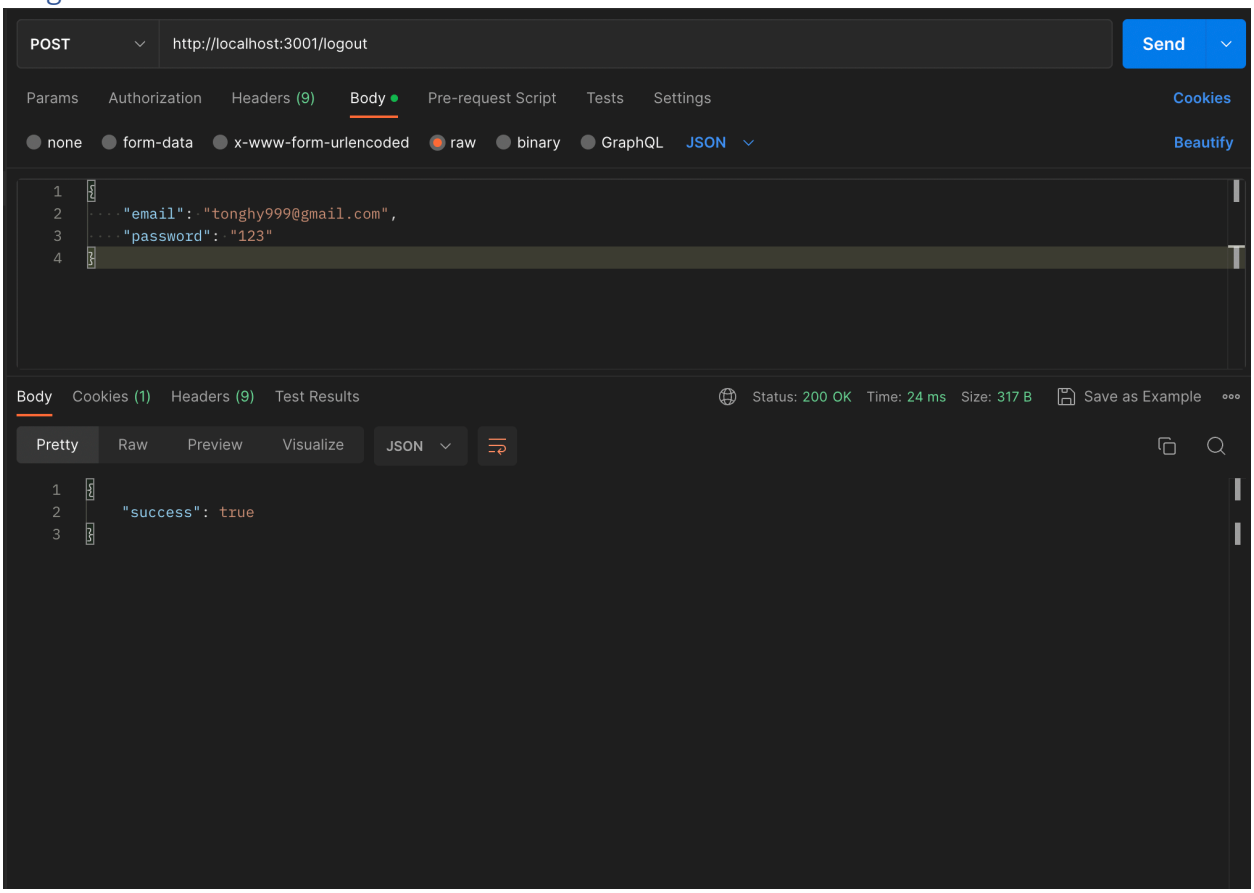




- login already signed in



-Logout



-Re – logout