

## TASK:

1. Go language
2. CRUD – APIS
3. GitLab

## TASK 1: GO Language

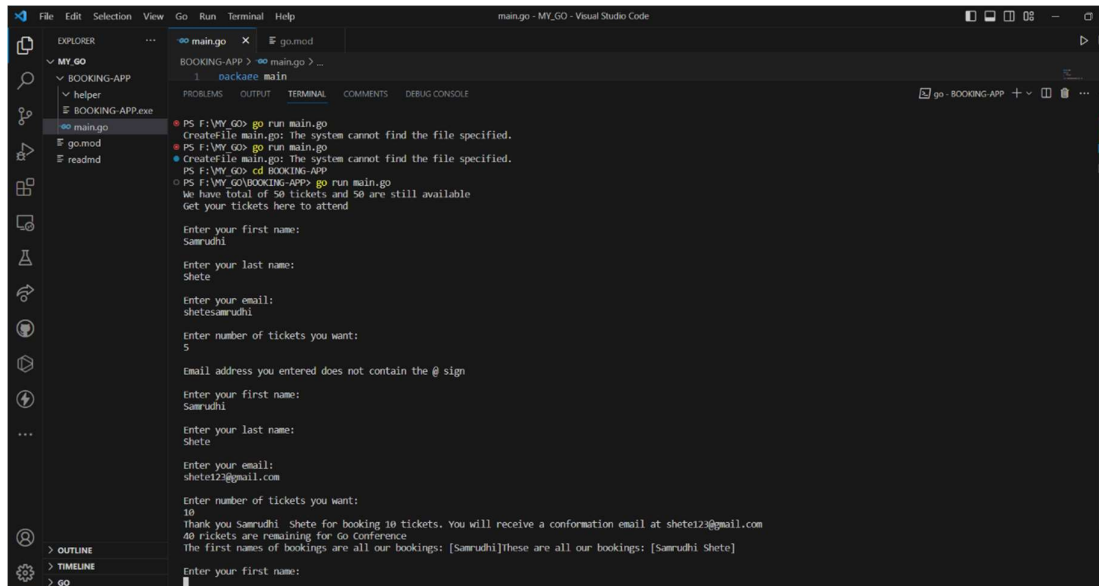
### Learned About:

- What is Go and where used?
- Variables, Data Types, Pointer, Arrays, Slices
- Switch, Validation

Referred Video: <https://youtu.be/yyUHQIec83I>

## TICKET -BOOKING APPLICATION

### SCREENSHOTS:



```
main.go x go.mod
BOOKING-APP > go run main.go
package main

PS F:\MY_GO> go run main.go
CreateFile main.go: The system cannot find the file specified.
PS F:\MY_GO> go run main.go
CreateFile main.go: The system cannot find the file specified.
PS F:\MY_GO> cd BOOKING-APP
PS F:\MY_GO\BOOKING-APP> go run main.go
We have total of 50 tickets and 50 are still available
Get your tickets here to attend

Enter your first name:
Samrudhi

Enter your last name:
Shete

Enter your email:
shetesamrudhi

Enter number of tickets you want:
5

Email address you entered does not contain the @ sign

Enter your first name:
Samrudhi

Enter your last name:
Shete

Enter your email:
shete12@gmail.com

Enter number of tickets you want:
10
Thank you Samrudhi Shete for booking 10 tickets. You will receive a conformation email at shete12@gmail.com
40 rickets are remaining for go conference
The first names of bookings are all our bookings: [Samrudhi]these are all our bookings: [Samrudhi Shete]

Enter your first name:
```

## TASK 2: GO-CRUD API

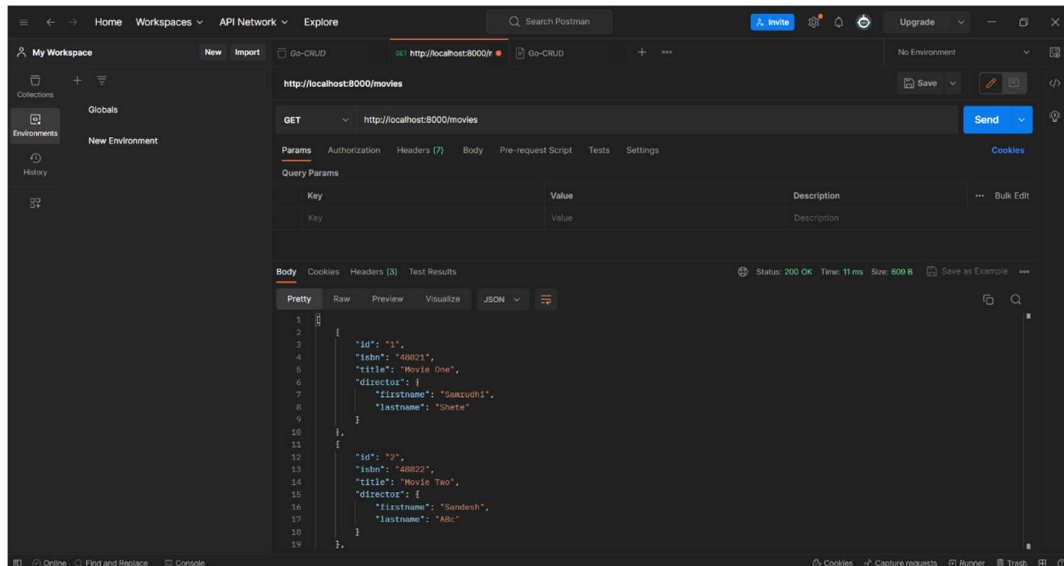
### Learned About:

- Create
- Update
- Delete
- Display

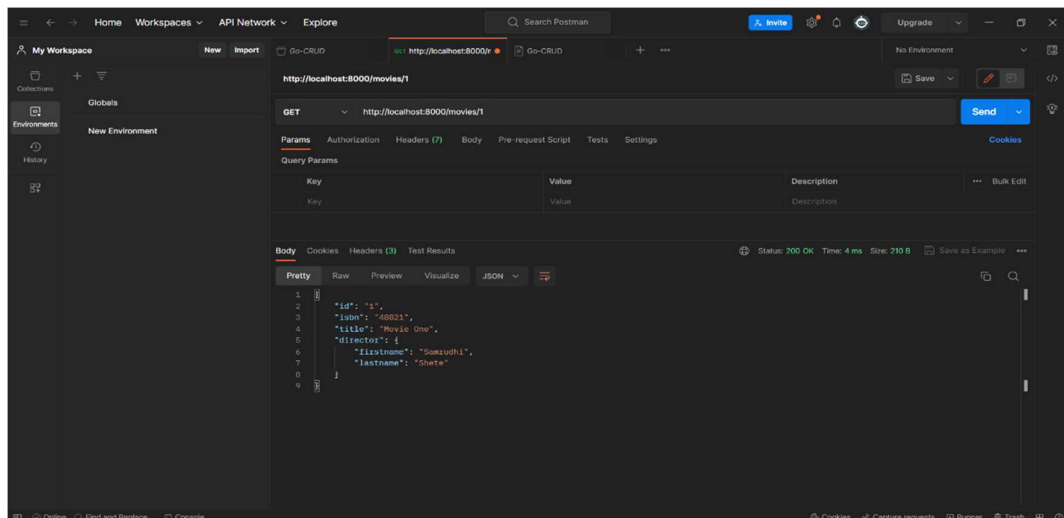
Referred Video: [https://youtu.be/TkbhQQS3m\\_o](https://youtu.be/TkbhQQS3m_o)

### SCREENSHOTS:

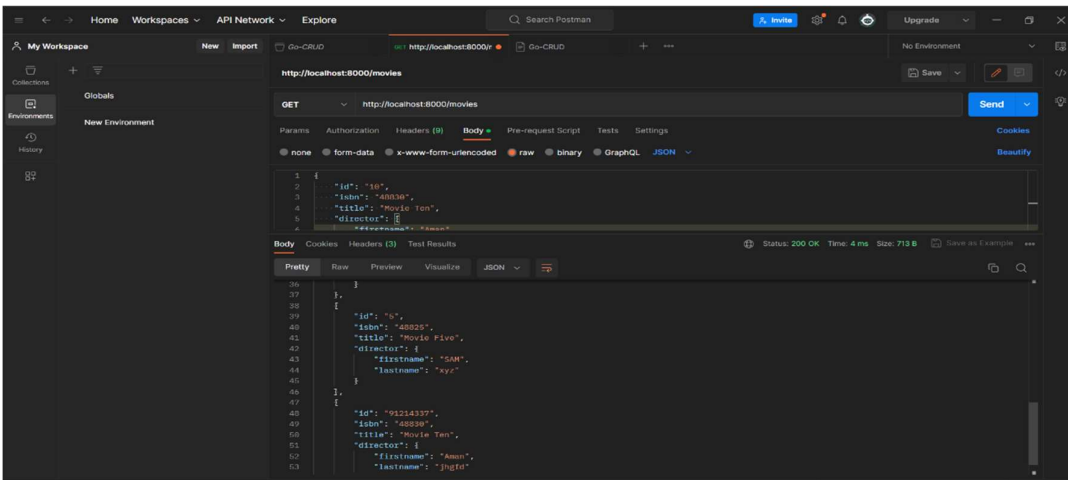
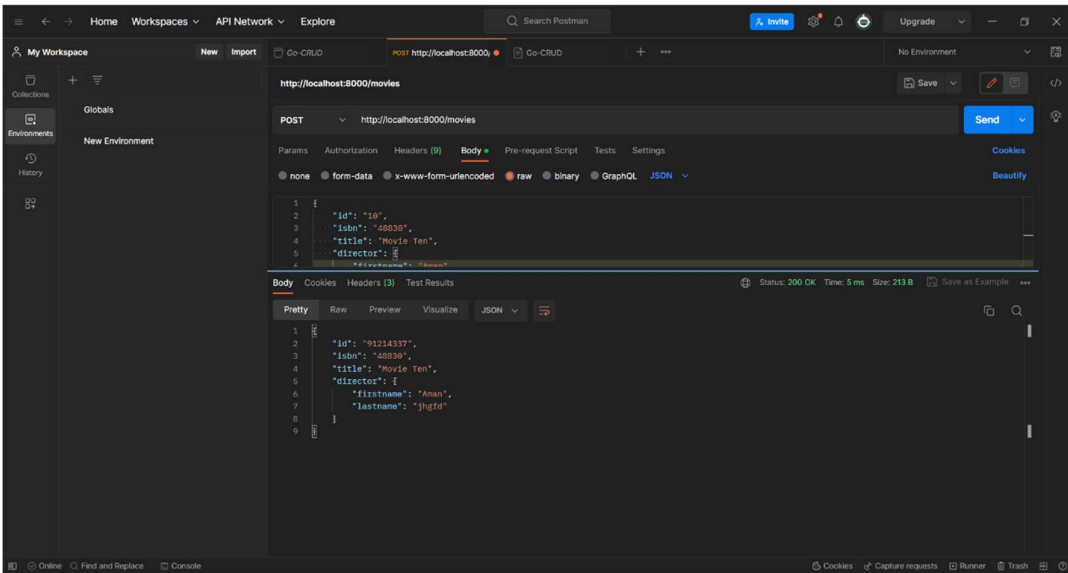
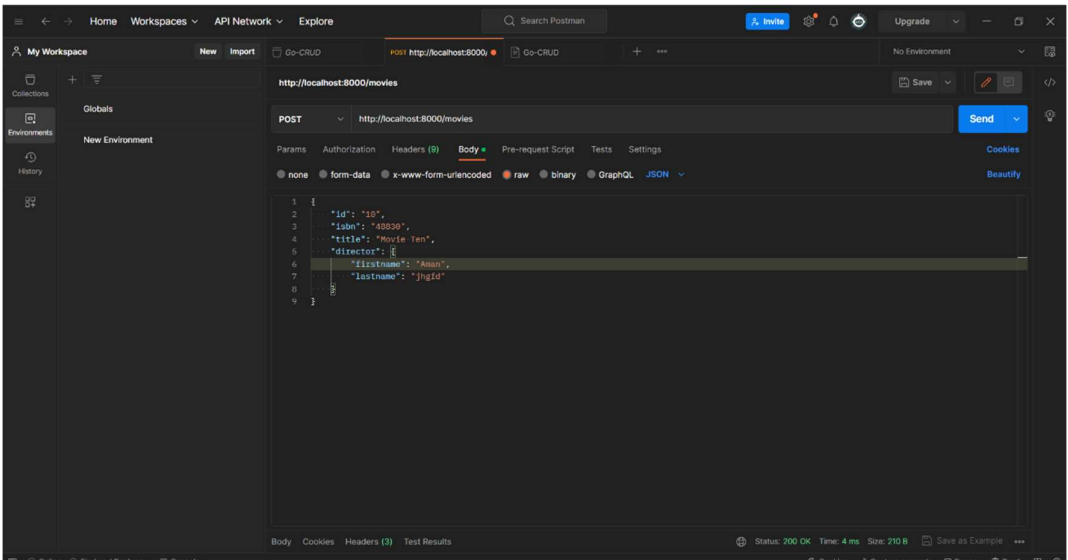
GET - For Display the record



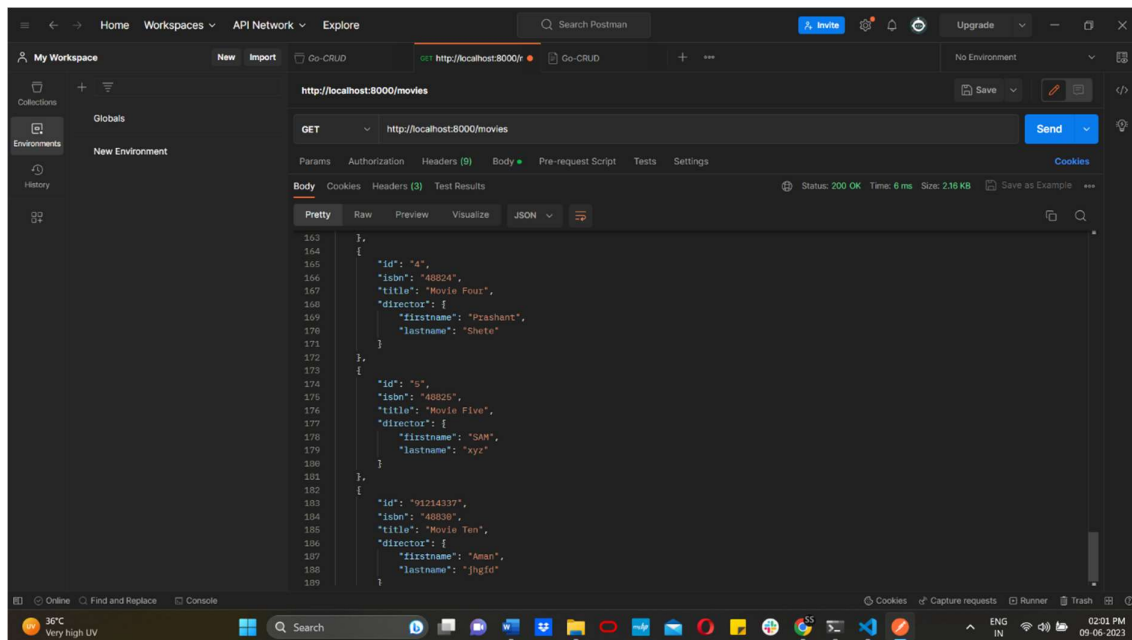
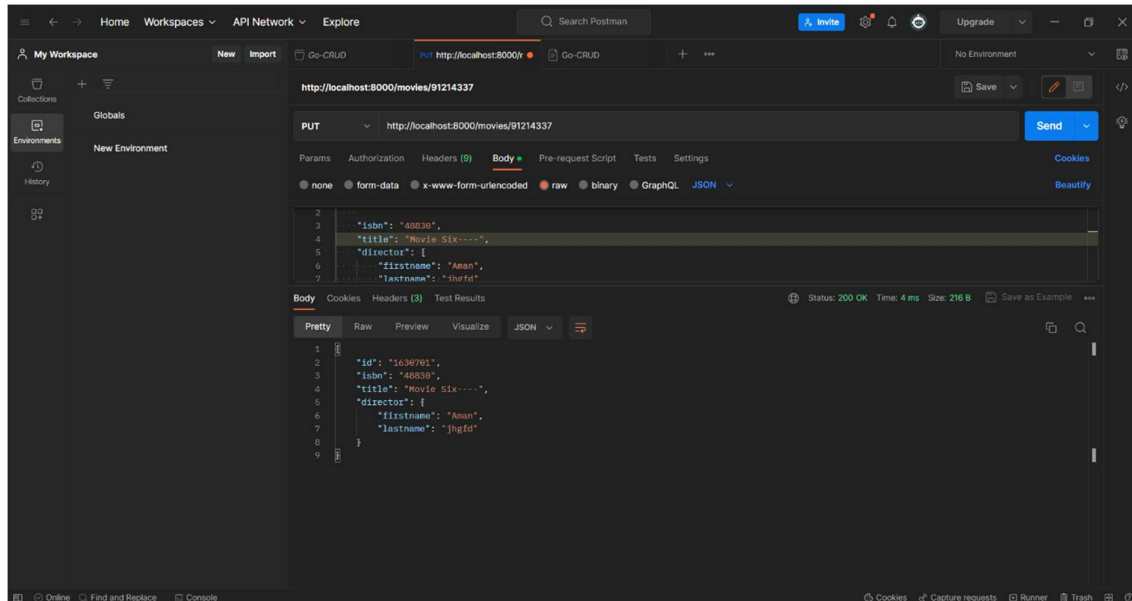
GET by ID - For Display the record



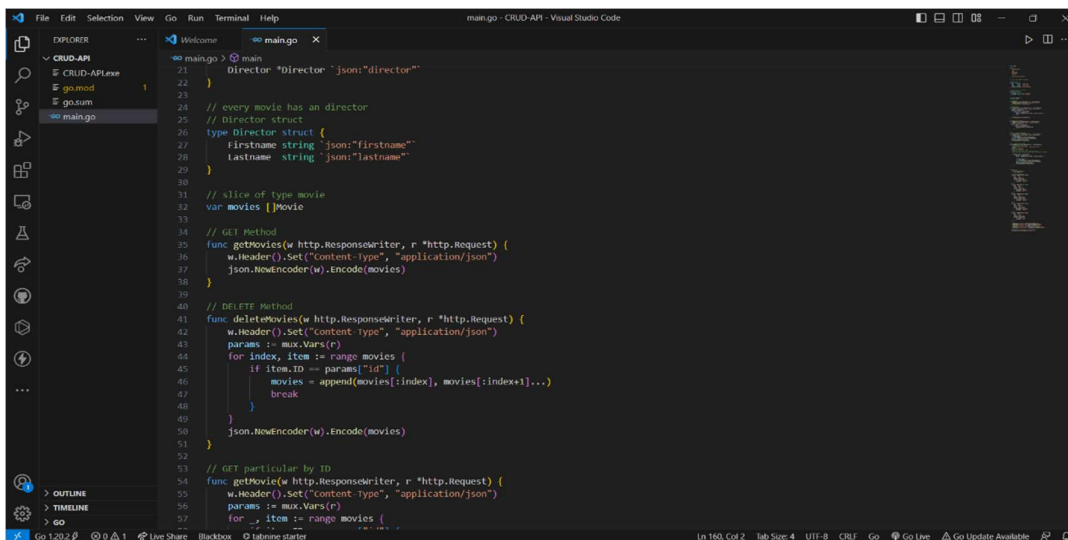
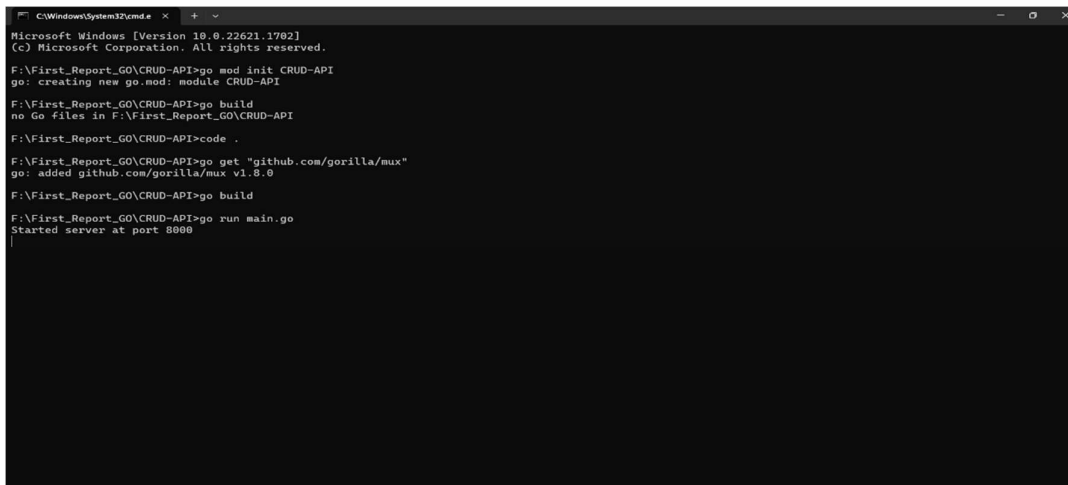
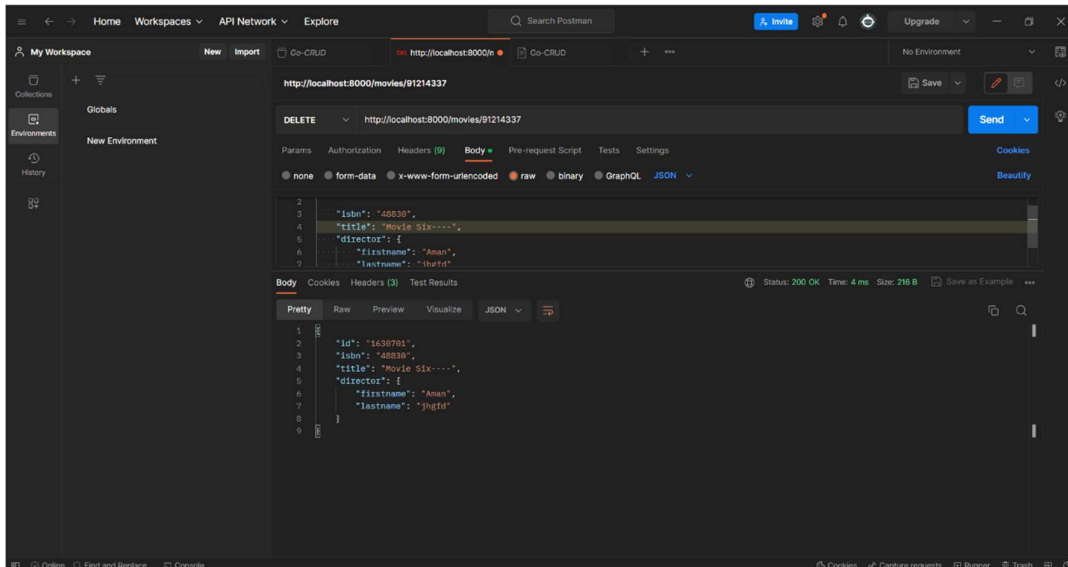
POST – To create the record



PUT – To update the record



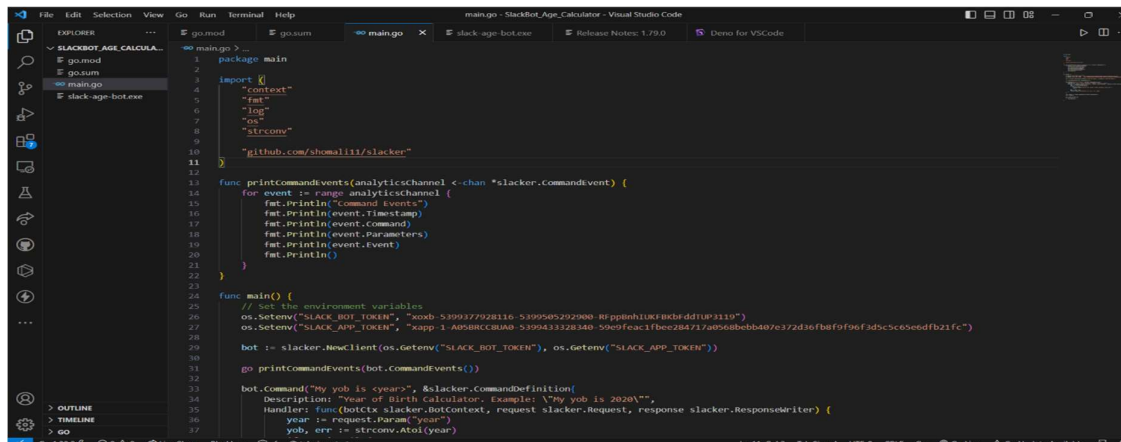
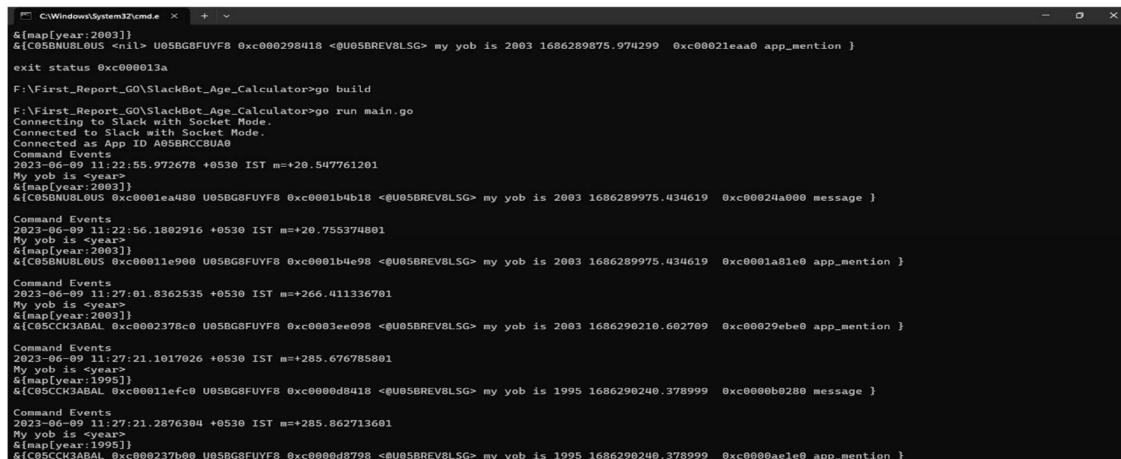
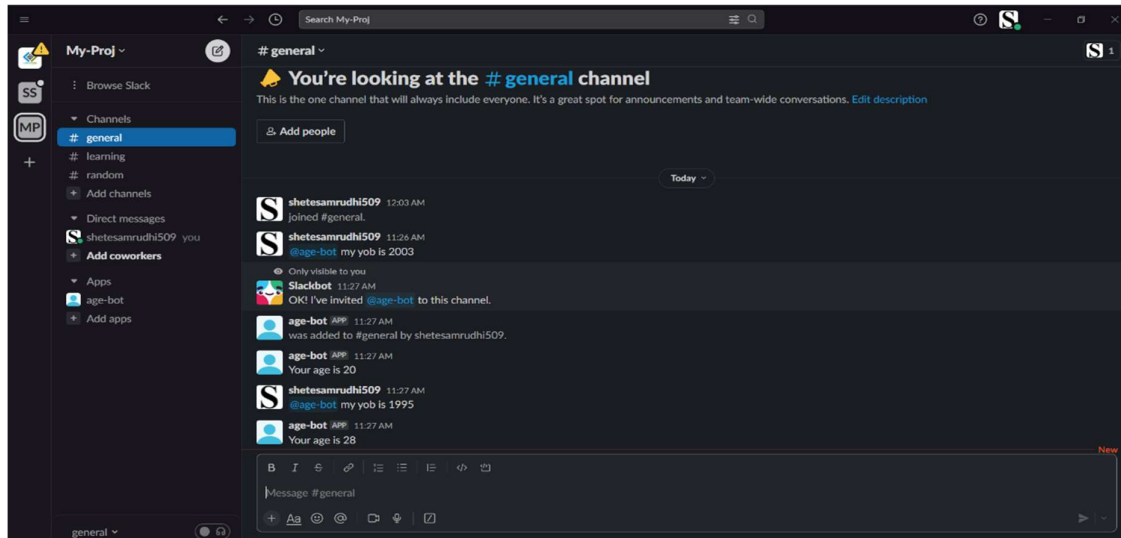
## DELETE – to delete record



## TASK : SLACK-AGE BOT Project

Referred Video: <https://youtu.be/HnPm69i60xE>

## SCREENSHOTS:



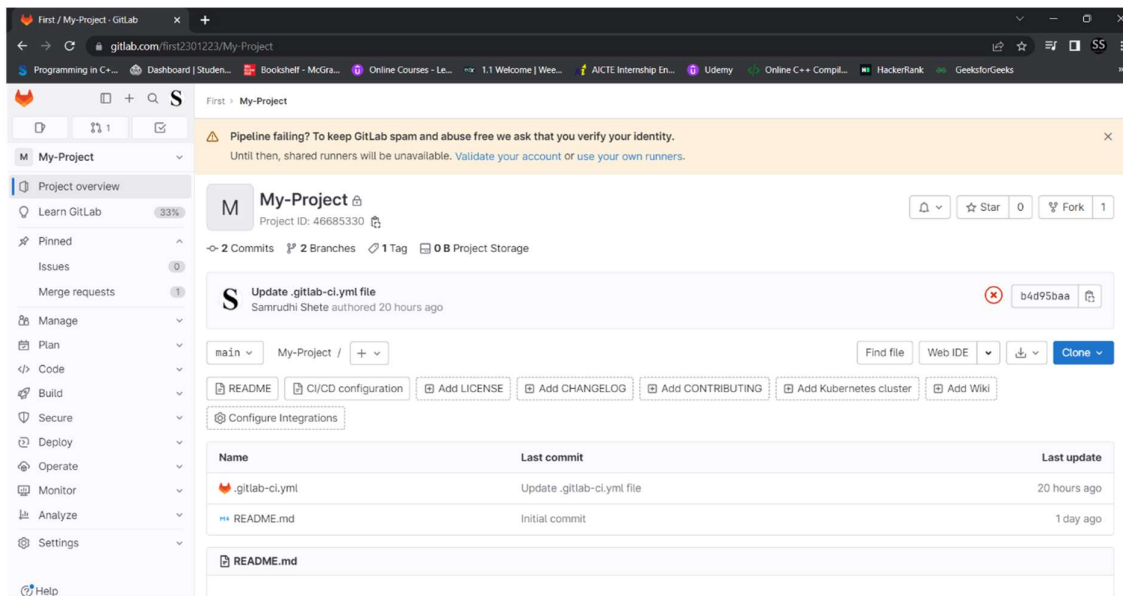
## TASK 2: GITLAB

### Learned About:

- What is Gitlab? How to Create Project?
- Difference between Git and GitLab
- How to Fork the project
- SSH key and Setup
- Gitlab Runner (Created Virtually have issue with creating local runner)
- CI/CD pipelining
- Branching (how ho merge it with master)
- Tags

Referred Video: <https://youtu.be/qq62vjsSxco>

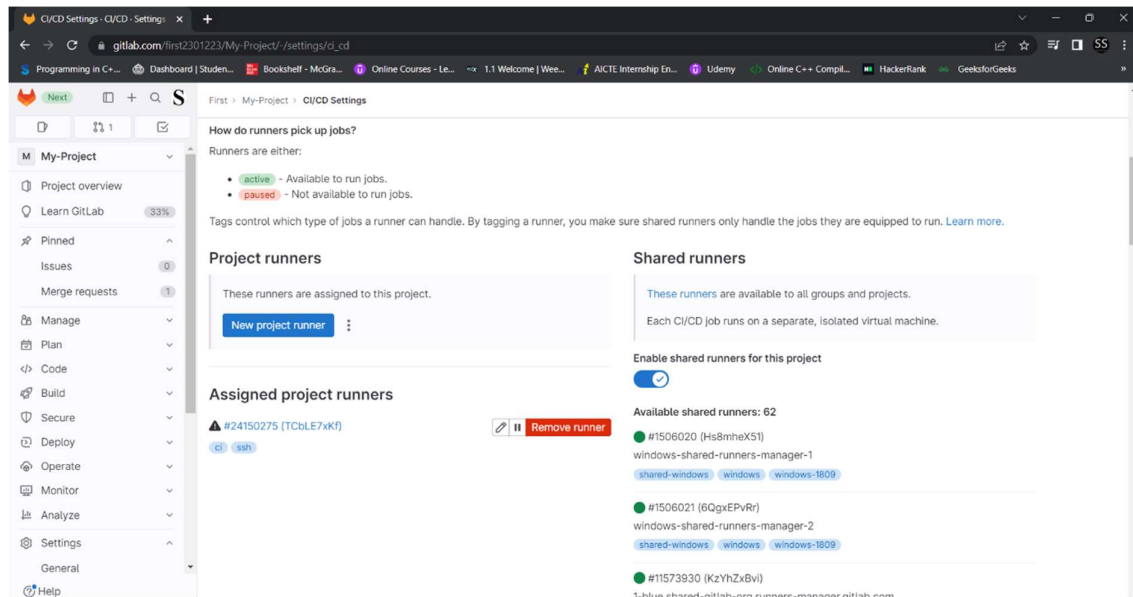
### SCREENSHOTS:



**Problem Faced:** Tried to do some R & D

Here I have faced the problems which are

1. Unable to create my own runner (Error in compatibility tried to resolve as there is fulfilled the requirements still unable to do)
2. Error is pipelining the project (Tried using virtual runner but their credit card validation is required I have tried though but not getting .....)



## Conclusion:

Done all the three tasks and learned about go language as it is fast efficient and growing language, Learned CRUD operations of that with the help of postman and explored the GitLab.