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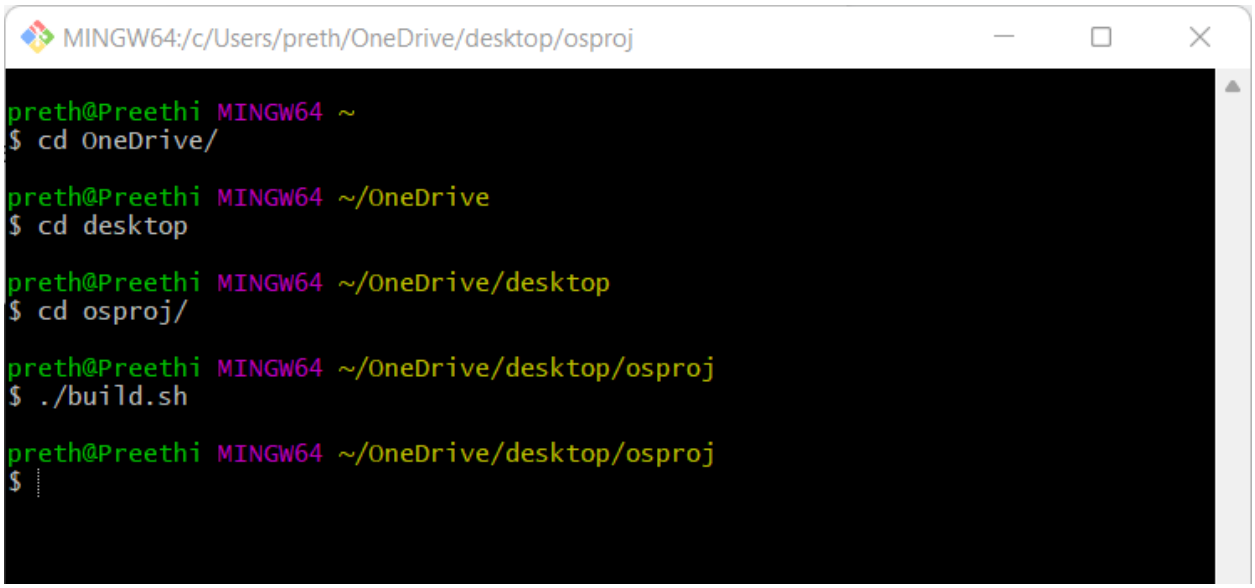
Client-Server Token Manager-

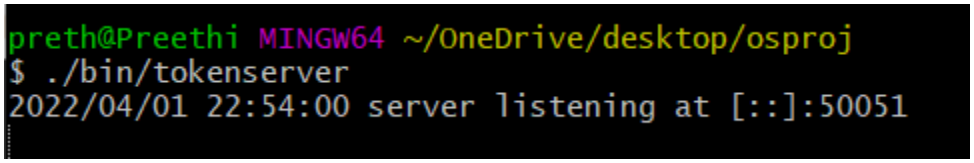
Demonstrating how to successfully implement the code-

1. Open git bash -

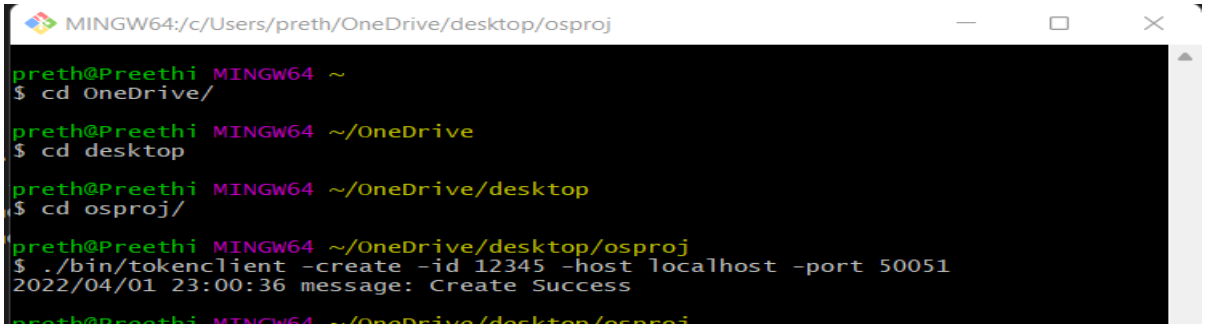
2. Go to directory where the project folder exists,
3. Build command for server and client-



4. Command for running the server before running the client server-



5. Open a new git bash for running client commands-



#In server it will display the result -

```
preth@Preethi MINGW64 ~/OneDrive/desktop/osproj
$ ./bin/tokenserver
2022/04/01 22:54:00 server listening at [::]:50051
2022/04/01 23:00:36 Token: (Id=12345, Name=, Domain={Low:0 Mid:0 High:0}, State=
<nil>)
2022/04/01 23:00:36 List of ids: [12345]
```

6. For write command -

```
preth@Preethi MINGW64 ~/OneDrive/desktop/osproj
$ ./bin/tokenclient -write -id 2202 -name preths -low 10 -mid 100 -high 1000 -ho
st localhost -port 50051
2022/04/01 23:18:13 message: Write Success, partial: 95992444125112266
```

#In server it will display the result -

```
2022/04/01 23:16:33 List of ids: [12345 2202]
2022/04/01 23:18:13 Token: (Id=2202, Name=preths, Domain={Low:10 Mid:100 High:10
00}, State=&{Partial:95992444125112266 Final:0})
2022/04/01 23:18:13 List of ids: [12345 2202]
```

7. For read command-

```
preth@Preethi MINGW64 ~/OneDrive/desktop/osproj
$ ./bin/tokenclient -read -id 2202 -host localhost -port 50051
2022/04/01 23:21:00 message: Read Success, final: 1430983080683081
```

#In server it will display the result-

```
2022/04/01 23:18:13 List of ids: [12345 2202]
2022/04/01 23:21:00 Token: (Id=2202, Name=preths, Domain={Low:10 Mid:100 High:10
00}, State=&{Partial:95992444125112266 Final:1430983080683081})
2022/04/01 23:21:00 List of ids: [12345 2202]
```

8. For drop command-

```
preth@Preethi MINGW64 ~/OneDrive/desktop/osproj
$ ./bin/tokenclient -drop -id 12345 -host localhost - port 50051
2022/04/01 23:24:13 message: Drop Success
```

```
2022/04/01 23:21:00 List of ids: [12345 2202]
2022/04/01 23:24:13 Token: (Id=12345, Name=, Domain={Low:0 Mid:0 High:0}, State=
<nil>)
2022/04/01 23:24:13 List of ids: [2202]
```