Feature:

Server runs a MYSQL database and client exectues sql queries on the server and receives query result.

Reference:

http://dev.mysql.com/doc/refman/5.7/en/c-api-function-overview.html https://www.youtube.com/watch?v=jACHG6tZakw https://www.youtube.com/watch?v=vgs1eQJ1avs

Screenshots:

Error: Table 'client_server_application.authaaaaaa' doesn't exist[1146]

michail@m:~/cn/CS16MTECH11009_Submission_Assignment2/Part_Aa_MySQL\$

1. Client accesses mysqlserver on the server and performs desc, insert, delete, select operations.

michail@m:~/cn/CS16MTECH11009_Submission_Assignment2/Part_Aa_MySQL\$ gcc \$(mysql_config --cflags) sqlserver.c \$(mysql_config --libs) -o mysqlserver michail@m:~/cn/CS16MTECH11009_Submission_Assignment2/Part_Aa_MySQL\$./mysqlserver 3334 root 123 127.0.0.1 client_server_application 3306 Handling client 127.0.0.1 42779

```
michail@m:~/cn/CSIGMTECH11009_Submission_Assignment2/Part_Aa_MySQL$ gcc $(mysql_config --cflags) sqlclient.c $(mysql_config --libs) -o mysqlclient michail@m:~/cn/CSIGMTECH11009_Submission_Assignment2/Part_Aa_MySQL$ ./mysqlclient 127.0.0.1 3334
MYSQL: show tables;
authors
mytable

MYSQL: desc authors;
id |int(11) | YES | |(null) |
name | varchar(20) | YES | |(null) |
email | varchar(20) | YES | |(null) |
mySQL: select * from authors;
Empty set
MYSQL: insert into authors value(1,"iith","acn@iith.ac.in");

Result Successful.

MYSQL: select * from authors;
Result Successful.

MYSQL: select * from authors;
Result Successful.
```

2. Two clients access the mysqlserver on the server and able to see eachothers changes.

