Q. HOW TO INSTALL MYSQL IN LINUX AND CREATE DATABASE STUDENT, TABLE STUDENT RECORD WITH STUDENT_ID, STUDENT_NAME, MARKS AND GIVE THE VALUES IN IT AND ALSO CREATE ANOTHER TABLE WITH STUDENT_ID, STUDENT_NAME, DEPT AND ENTER THE VALUES IN IT AND JOIN THE TABLES AND HOWTO QUIT FROM MYSQL ?

ANSWER:

STEP – 1: WE HAVE TO INSTALL THE PACKAGES BEFORE LIKE YUM, RPM.

NOW, WE USE THE COMMANDS

"yum install *mysql*" – IT IS TO INSTALL THE MYSQL IN LINUX.

"yum list all grep mysql - IT IS USED TO LIST ALL THE AVAILABLE PACKAGES IN THE YUM REPOSITORIES.

"mysqladmin -u root -p" – IT IS USED TO INTERACT WITH MYSQL SERVER TO PERFORM ADMINISTRATIVE TASKS.

"mysqladmin -u root password" – IT IS USED TO CHANGE THE PASSWORD OF MYSQL ADMIN.

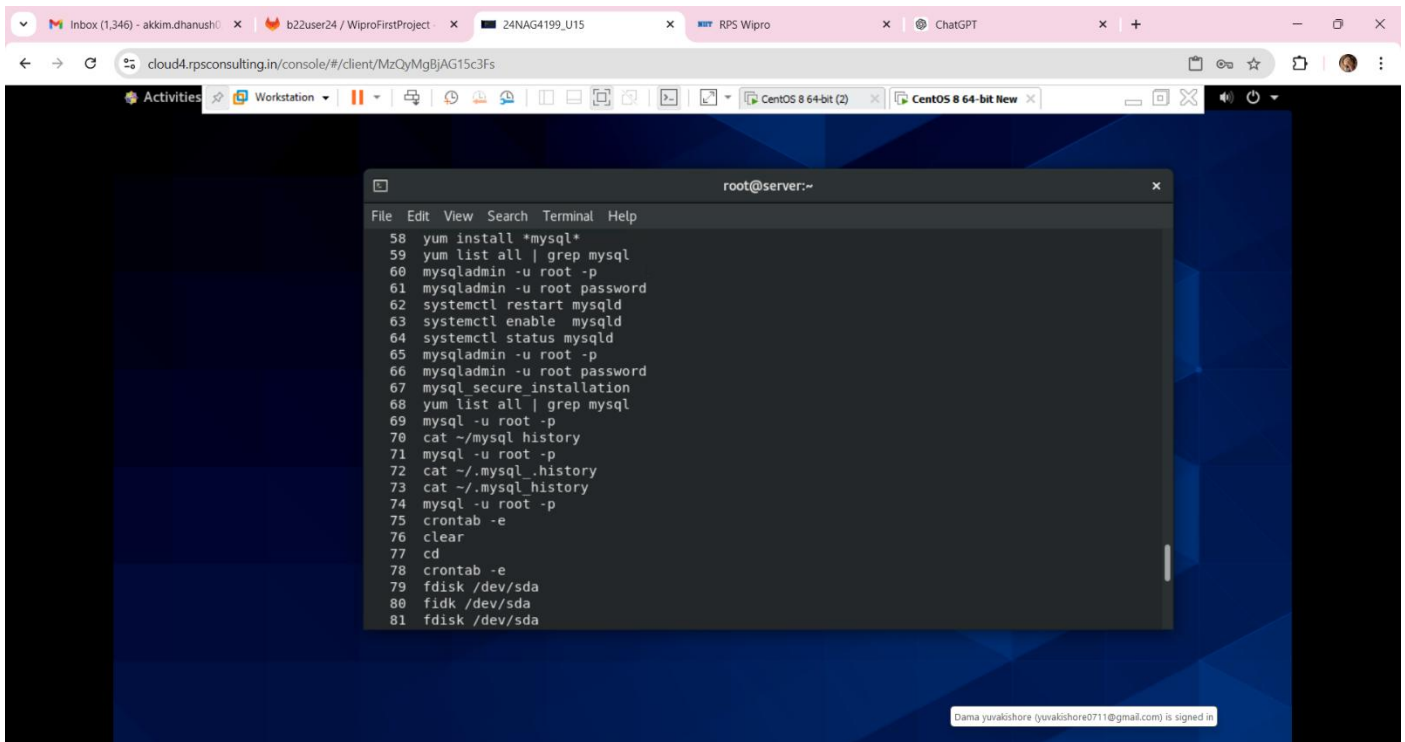"systemctl restart mysqld" – IT IS USED TO RESTART THE MYSQL SERVICE.

"systemctl enable mysqld" – IT IS USED TO ENABLE THE MYSQL SERVICE.

"systemctl status mysqld" - IT IS USED TO CHECK THE STATUS OF MYSQL

"mysql secure installation" – IT IS A UTILITY TO HELP SECURE A MYSQL SERVER ISTALLATION.

"cat ~/.mysql_history" – IT IS USED TO DISPLAY THE HISTORY IN MYSQL.

AFTER SUCCESSFUL INSTALLATION,

STEP -2: CREATE THE TABLE OF STUDENT BY USING THESE COMMANDS IN BELOW.

WE SHOULD GIVE STUDENT_ID, STUDENT_NAME, MARKS.

FOR THE ID WE USE "INT" TYPE,
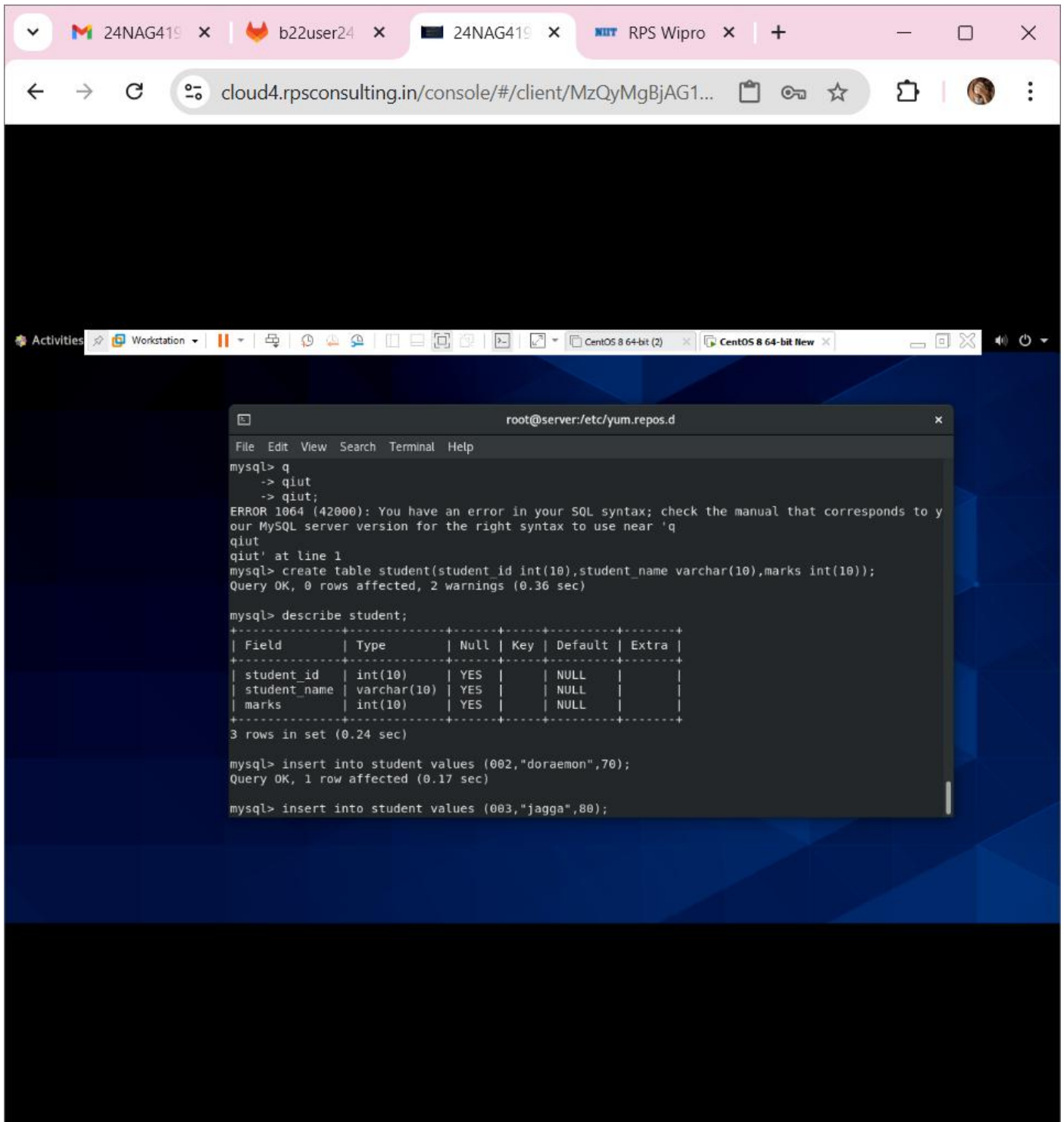
FOR THE NAME WE USE "VARCHAR"

FOR THE MARKS WE USE "INT".

WE USE "DESCRIBE" COMMAND TO DISPLAY THE CONTENT OF THE DATA.

STEP – 3: NOW, WE HAVE INSERT THE DATA OF THE STUDENTS AS SHOWN BELOW,

"INSERT" – THIS COMMAND IS USED TO ENTER THE DATA.

SYN : "Insert into table name values (int,"varchar",int)"

M 24NAG419 | b22user24 | 24NAG419 | RPS Wipro | +

cloud4.rpsconsulting.in/console/#/client/MzQyMgBjAG1...

Activities | Workstation ▾ | ▮▮ ▾ | | CentOS 8 64-bit (2) | CentOS 8 64-bit New

root@server:/etc/yum.repos.d ×

File Edit View Search Terminal Help

```
mysql> q
    -> qiut
    -> qiut;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to y
our MySQL server version for the right syntax to use near 'q
qiut
qiut' at line 1
mysql> create table student(student_id int(10),student_name varchar(10),marks int(10));
Query OK, 0 rows affected, 2 warnings (0.36 sec)

mysql> describe student;
+--------------+-------------+------+-----+---------+-------+
| Field        | Type        | Null | Key | Default | Extra |
+--------------+-------------+------+-----+---------+-------+
| student_id   | int(10)     | YES  |     | NULL    |       |
| student_name | varchar(10) | YES  |     | NULL    |       |
| marks        | int(10)     | YES  |     | NULL    |       |
+--------------+-------------+------+-----+---------+-------+
3 rows in set (0.24 sec)

mysql> insert into student values (002,"doraemon",70);
Query OK, 1 row affected (0.17 sec)

mysql> insert into student values (003,"jagga",80);
```

root@server:/etc/yum.repos.d

File Edit View Search Terminal Help

```
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to y
our MySQL server version for the right syntax to use near 'q
qiut
qiut' at line 1
mysql> create table student(student_id int(10),student_name varchar(10),marks int(10));
Query OK, 0 rows affected, 2 warnings (0.36 sec)

mysql> describe student;
+--------------+-------------+------+-----+---------+-------+
| Field        | Type        | Null | Key | Default | Extra |
+--------------+-------------+------+-----+---------+-------+
| student_id   | int(10)     | YES  |     | NULL    |       |
| student_name | varchar(10) | YES  |     | NULL    |       |
| marks        | int(10)     | YES  |     | NULL    |       |
+--------------+-------------+------+-----+---------+-------+
3 rows in set (0.24 sec)

mysql> insert into student values (002,"doraemon",70);
Query OK, 1 row affected (0.17 sec)

mysql> insert into student values (003,"jagga",80);
Query OK, 1 row affected (0.50 sec)

mysql>
```

Step – 4: HERE WE HAVE TO CREATE THE OTHER TABLE ,

STEP – 5: HERE, WE HAVE TO JOIN THE BOTH THE TABLES BY USING THE ABOVE COMMAND.

```
2 rows in set (0.10 sec)

mysql> select * from student
    -> ;
+------------+--------------+-------+
| student_id | student_name | marks |
+------------+--------------+-------+
|          2 | doraemon     |    70 |
|          3 | jagga        |    80 |
+------------+--------------+-------+
2 rows in set (0.01 sec)

mysql> describe student
    -> ;
+--------------+-------------+------+-----+---------+-------+
| Field        | Type        | Null | Key | Default | Extra |
+--------------+-------------+------+-----+---------+-------+
| student_id   | int(10)     | YES  |     | NULL    |       |
| student_name | varchar(10) | YES  |     | NULL    |       |
| marks        | int(10)     | YES  |     | NULL    |       |
+--------------+-------------+------+-----+---------+-------+
3 rows in set (0.26 sec)

mysql>
```
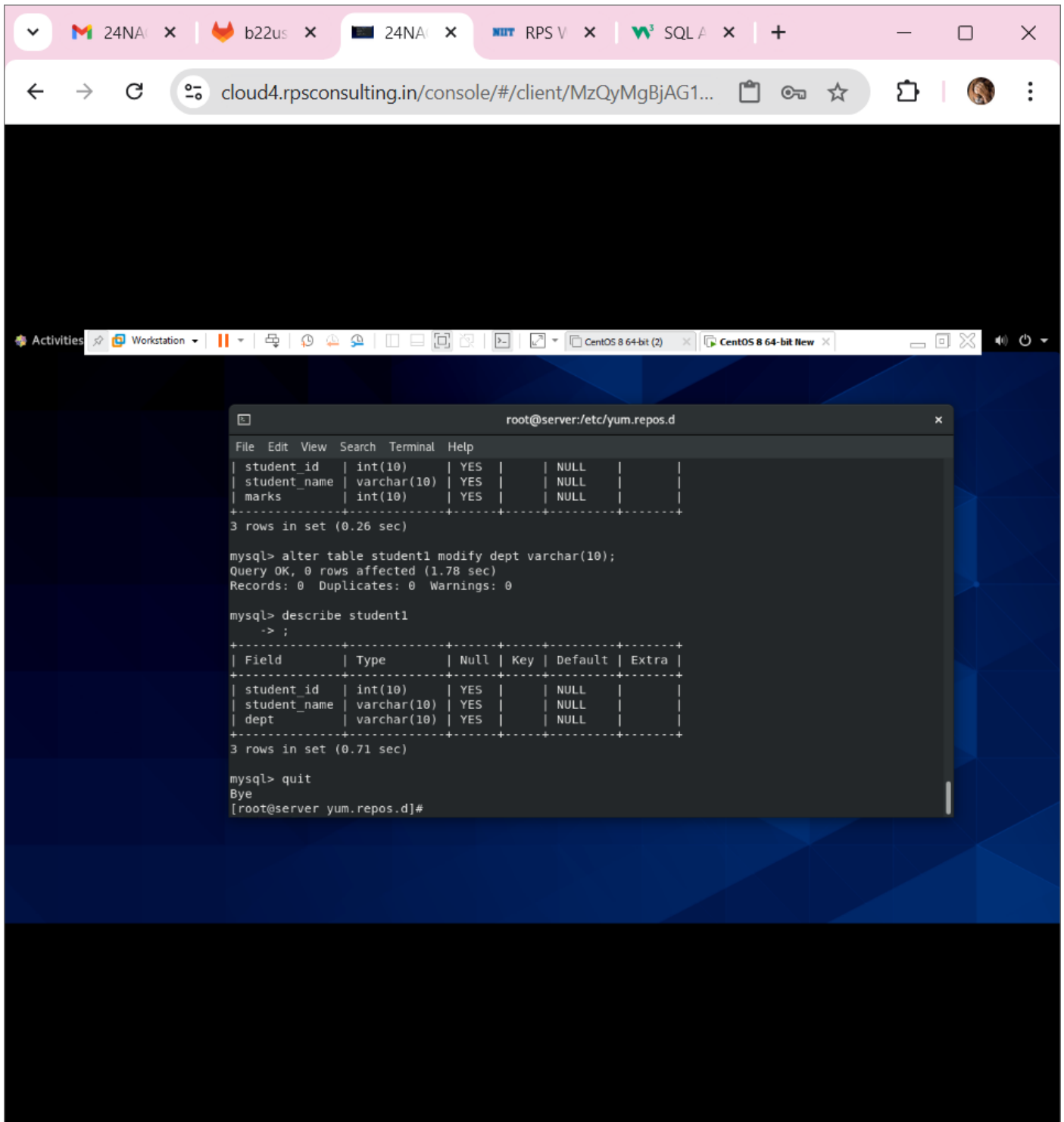
WE CAN USE "QUIT" COMMAND TO QUIT FROM MYSQL SERVER IN LINUX.

HENCE, WE COMPLETED.

*****************************THANK YOU*****************************