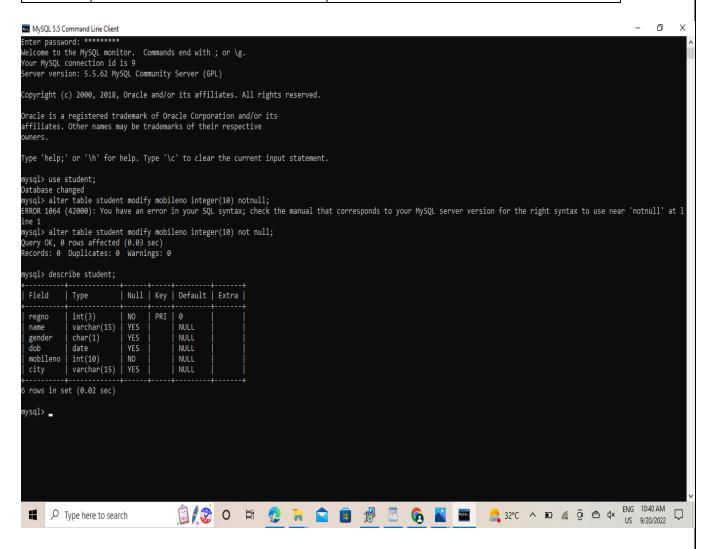
## Ex,no 2. DDL Commands with Constraints - PRIMARY, FOREIGN KEY, UNIQUE, CHECK

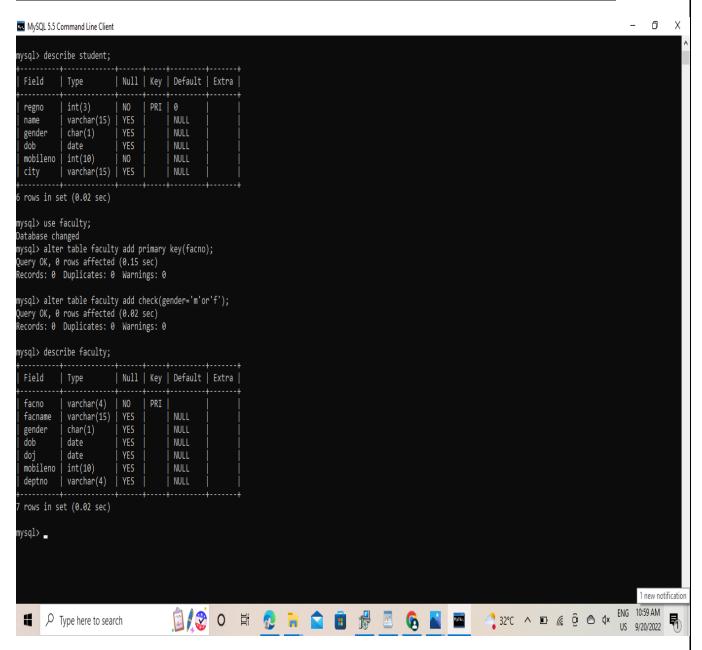
1) Alter the table STUDENT with following structure.

S.No	Column	Constraints
1	RegNo	PRIMARY KEY
2	MobileNo	NotNull



2) Alter the table name FACULTY with following structure. The DeptNo in this table refers the DeptNo in the DEPARTMENT table.

S.No	Column	Constraints
1	FacNo	PRIMARY KEY
2	Gender	Check 'M' or 'F'



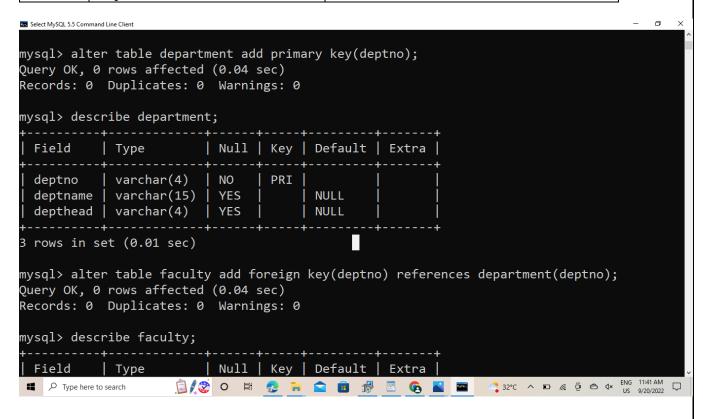
3) Alter the FACULTY table is successfully created, test if you add a constraint FOREIGN KEY to the DeptNo of this table.

mysql> alter table faculty add foreign key(deptno) references department(deptno); Query OK, 0 rows affected (0.04 sec) Records: 0 Duplicates: 0 Warnings: 0 mysql> describe faculty; Field Type | Null | Key | Default | Extra facno varchar(4) PRI NO varchar(15) YES facname NULL YES gender char(1) NULL date YES dob NULL YES NULL doj date YES mobileno int(10) NULL varchar(4) YES MUL deptno NULL

rows in set (0.02 sec)

4)Alter the table name DEPARTMENT with following structure.

S.No	Column	Constraints
1	DeptNo	PRIMARY KEY



## 5. Alter the table name COURSE with following Structure

S.No	Column	Constraints
1	CourseNo	PRIMARY KEY
2	SemNo	1 to 6

## MySQL 5.5 Command Line Client

```
Enter password: *******
Welcome to the MySQL monitor. Commands end with ; or \g.
Your MySQL connection id is 12
Server version: 5.5.62 MySQL Community Server (GPL)
Copyright (c) 2000, 2018, Oracle and/or its affiliates. All rights reserved.
Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
mysql> use test;
Database changed
mysql> alter table course add primary key(courseno);
Query OK, 0 rows affected (0.04 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> alter table course add check(semno between 1 and 6);
Query OK, 0 rows affected (0.01 sec)
Records: 0 Duplicates: 0 Warnings: 0
mysql> describe course;
                           | Null | Key | Default | Extra |
 Field
             Type
              varchar(3)
                                   PRI
 courseno
                             NO
              varchar(14)
                                          NULL
                             YES
 coursedesc
 coursetype |
              char(1)
                             YES
                                          NULL
 semno
              char(1)
                             YES
                                          NULL
              varchar(4)
 hallno
                             YES
                                          NULL
              varchar(4)
                             YES
 facno
                                          NULL
6 rows in set (0.02 sec)
mysql>
```