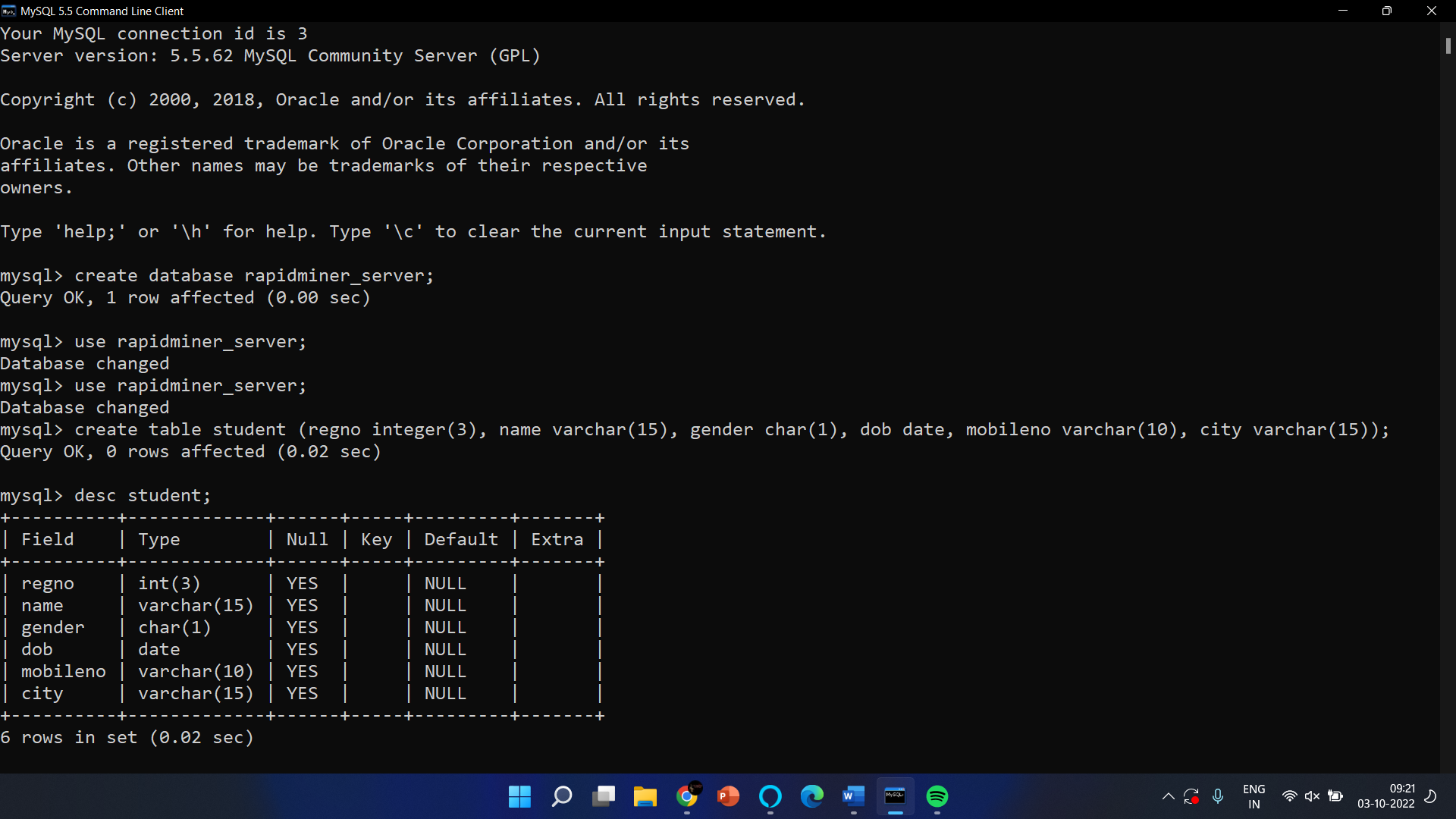
DATABASE MANAGEMENT SYSTEM

**Ex.No :1 DDL Commands – CREATE, ALTER, DROP**

**Questions:**

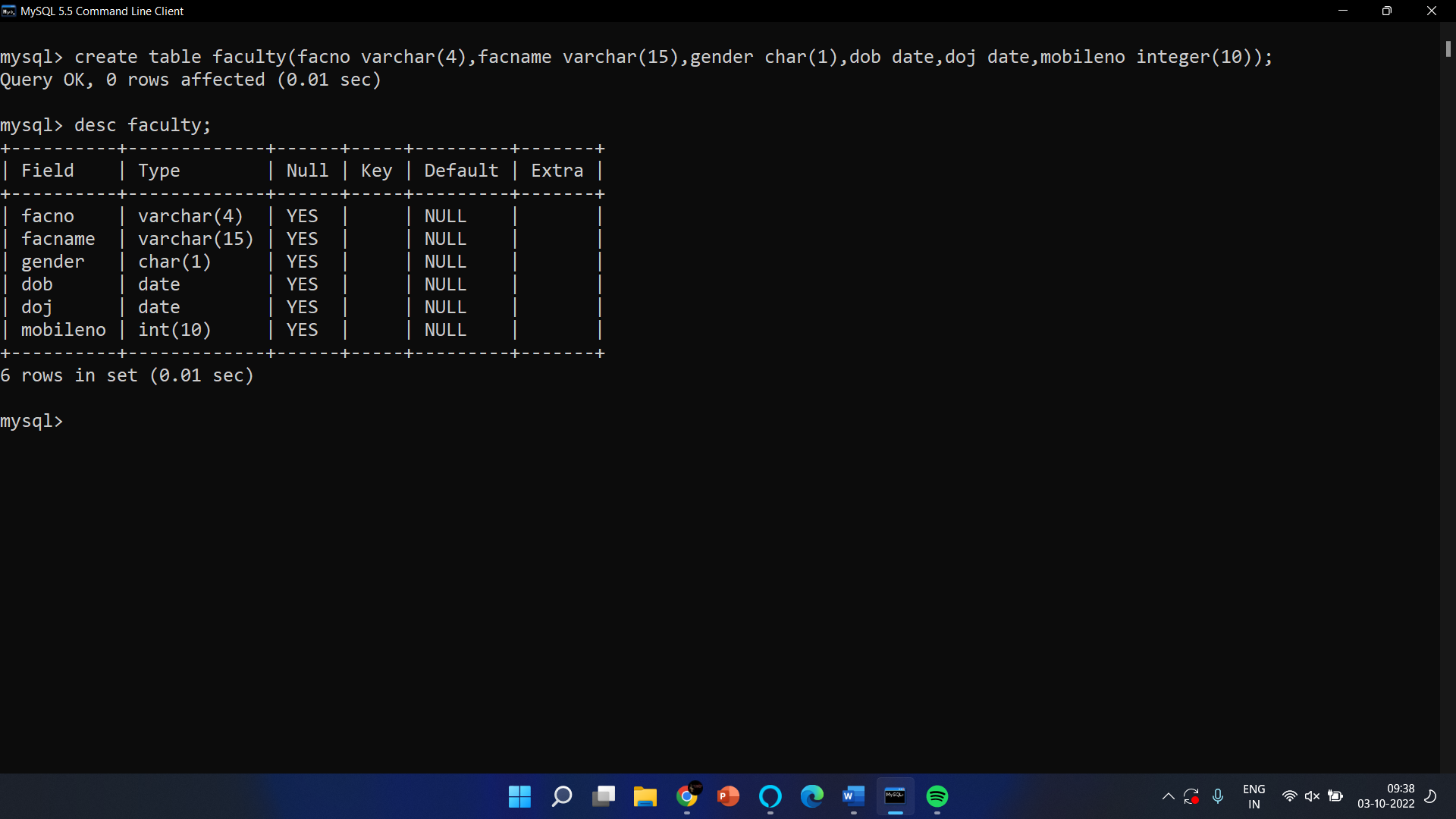
1) Create a table name STUDENT with following structure.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Column** |  |  |  |
| **S.nO** | **Name** | **Description** | **Data Type** |  |
|  |  |  |
|  |  | Registration |  |  |
| 1 | RegNo | Number | NUMBER(3) |  |
| 2 | Name | Student Name | VARCHAR(15) |  |
|  |  | Gender of the |  |  |
| 3 | Gender | student | CHAR(1) |  |
| 4 | DOB | Date of Birth | DATE |  |
| 5 | MobileNo | Mobile Number | NUMBER(10) |  |
| 6 | City | Location of stay | VARCHAR(15) |  |
|  |  |  |  |  |



2) Create a table name FACULTY with following structure.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Column** |  |  |  |
| **S.nO** | **Name** | **Description** | **Data Type** |  |
|  |  |  |
| 1 | FacNo | Faculty Identifier | VARCHAR(4) |  |
| 2 | FacName | Faculty Name | VARCHAR(15) |  |
| 3 | Gender | Gender of faculty | CHAR(1) |  |
| 4 | DOB | Date of Birth | DATE |  |
| 5 | DOJ | Date of Join | DATE |  |
| 6 | MobileNo | Mobile Number | NUMBER(10) |  |



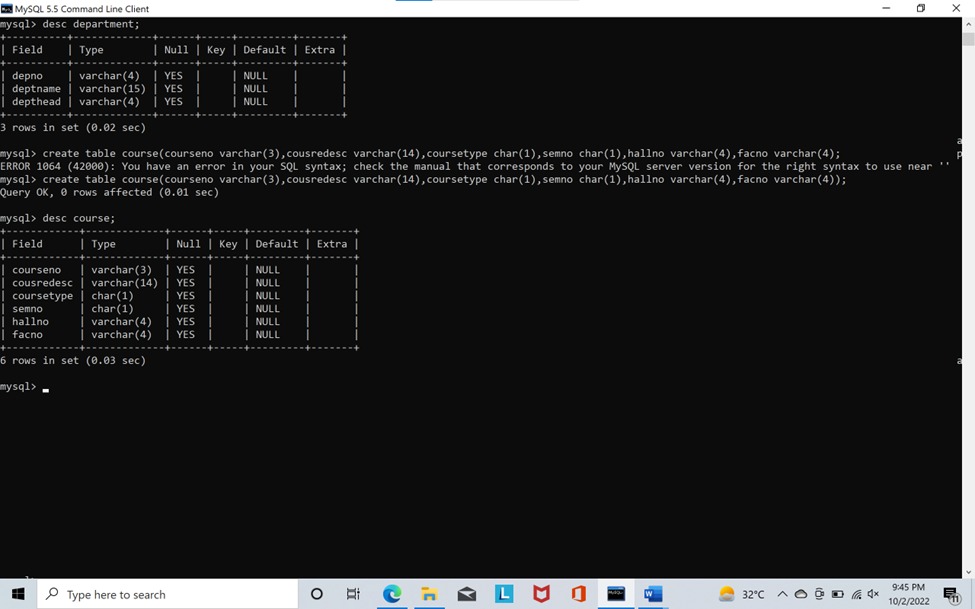
3) Create a table name DEPARTMENT with following structure.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Column** |  |  |  |
| **S.nO** | **Name** | **Description** | **Data Type** |  |
|  |  |  |
| 1 | DeptNo | Department Identifier | VARCHAR(4) |  |
| 2 | DeptName | Department Name | VARCHAR(15) |  |
| 3 | DeptHead | Department Head | VARCHAR(4) |  |

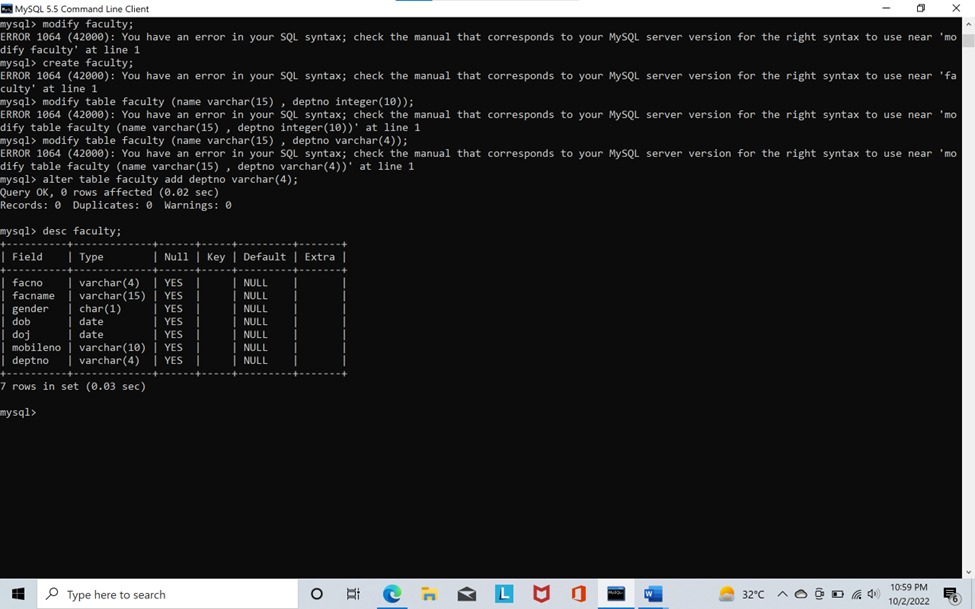
## 

4) Create a table name COURSE with following structure.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Column** |  |  |  |
| **S.nO** | **Name** | **Description** | **Data Type** |  |
|  |  |  |
| 1 | CourseNo | Course Identifier | VARCHAR(3) |  |
|  |  | Course |  |  |
| 2 | CourseDesc | Description | VARCHAR(14) |  |
| 3 | CourseType | Course Type | CHAR(1) |  |
| 4 | SemNo | Semester Number | CHAR(1) |  |
| 5 | HallNo | Hall Number | VARCHAR(4) |  |
| 6 | FacNo | Faculty Identifier | VARCHAR(4) |  |



1. Modify the table FACULTY by adding a column name DeptNo of datatype VARCHAR(4)



|  |
| --- |
| **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’ |     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 | |

