

1) Create a table name STUDENT with following structure.

S.n0	Column Name	Description	Data Type
1	RegNo	Registration Number	NUMBER(3)
2	Name	Student Name	VARCHAR(15)
3	Gender	Gender of the student	CHAR(1)
4	DOB	Date of Birth	DATE
5	MobileNo	Mobile Number	NUMBER(10)
6	City	Location of stay	VARCHAR(15)

Ans)

```
mysql> create database d2;
ERROR 1007 (HY000): Can't create database 'd2'; database exists
mysql> use d2;
Database changed
mysql> create table student(regno integer(3),name varchar(15),gender char(1),dob date,mobileno integer(10),city varchar(15));
ERROR 1050 (42S01): Table 'student' already exists
mysql> desc student;
```

Field	Type	Null	Key	Default	Extra
regno	int(3)	YES		NULL	
name	varchar(15)	YES		NULL	
gender	char(1)	YES		NULL	
dob	date	YES		NULL	
mobilen0	int(10)	YES		NULL	
city	varchar(15)	YES		NULL	

```
0 rows in set (0.04 sec)

mysql>
```

2) Create a table name FACULTY with following structure.

S.n0	Column 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)

Ans)

```
mysql> create database d1;
Query OK, 1 row affected (0.00 sec)

mysql> use d1;
Database changed
mysql> create table faculty(facno varchar(4),facname varchar(15),gender char(1),dob date,doj date,mobileno integer(10));
Query OK, 0 rows affected (0.04 sec)

mysql> desc faculty;
```

Field	Type	Null	Key	Default	Extra
facno	varchar(4)	YES		NULL	
facname	varchar(15)	YES		NULL	
gender	char(1)	YES		NULL	
dob	date	YES		NULL	
doj	date	YES		NULL	
mobilen0	int(10)	YES		NULL	

```
0 rows in set (0.03 sec)
```

3) Create a table name DEPARTMENT with following structure.

	Column	Description	Data Type
S.no	Name		
1	DeptNo	Department Identifier	VARCHAR(4)
2	DeptName	Department Name	VARCHAR(15)
3	DeptHead	Department Head	VARCHAR(4)

Ans)

```
mysql> create database d3;
Query OK, 1 row affected (0.00 sec)

mysql> use d3;
Database changed
mysql> create table department(deptno varchar(4),deptname varchar(15),depthead varchar(4));
Query OK, 0 rows affected (0.01 sec)

mysql> desc department;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| deptno | varchar(4) | YES | | NULL | |
| deptname | varchar(15) | YES | | NULL | |
| depthead | varchar(4) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
3 rows in set (0.03 sec)
```

4) Create a table name COURSE with following structure.

	Column	Description	Data Type
S.no	Name		
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)

Ans)

```
mysql> create database d4;
Query OK, 1 row affected (0.00 sec)

mysql> use d4;
Database changed
mysql> create table course(courseno varchar(3),coursedes varchar(14),coursetype char(1),semno char(1),hallno varchar(4),facno varchar(4));
Query OK, 0 rows affected (0.01 sec)

mysql> desc course;
+-----+-----+-----+-----+-----+-----+
| field | type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| courseno | varchar(3) | YES | | NULL | |
| coursedesc | varchar(14) | YES | | NULL | |
| coursetype | char(1) | YES | | NULL | |
| semno | char(1) | YES | | NULL | |
| hallno | varchar(4) | YES | | NULL | |
| facno | varchar(4) | YES | | NULL | |
+-----+-----+-----+-----+-----+-----+
6 rows in set (0.03 sec)
```

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

Ans)

```
mysql> use d1;
Database changed
mysql> alter table faculty
-> add deptno varchar(4);
Query OK, 0 rows affected (0.02 sec)
Records: 0 Duplicates: 0 Warnings: 0

mysql> desc faculty;
```

Field	Type	Null	Key	Default	Extra
facno	varchar(4)	YES		NULL	
facname	varchar(15)	YES		NULL	
gender	char(1)	YES		NULL	
dob	date	YES		NULL	
doj	date	YES		NULL	
mobilen	int(10)	YES		NULL	
deptno	varchar(4)	YES		NULL	

```
7 rows in set (0.03 sec)
```