

ASSIGNMENT-1

Name: Shangirne Kharbanda

Registration Number: 20BAI1154

Slot : L47 + L48

1. Create the following tables:

- a. Department(deptid, dname, location)
- b. Student(regnum, name, deptid, semester, age)
- c. Faculty(fid, fname, deptid)
- d. Class(cname, slot, room, fid)
- e. Enrolled(regnum, cname)

Ans 1.

a.

```
SQL> connect username
Enter password:
Connected.
SQL> CREATE TABLE Department_20BAI1154(
  2  deptid INTEGER,
  3  dname VARCHAR2(20),
  4  location VARCHAR2(20));

Table created.

SQL> desc Department_20BAI1154
Name                               Null?    Type
-----
DEPTID                             NUMBER(38)
DNAME                              VARCHAR2(20)
LOCATION                             VARCHAR2(20)
```

b.

2. Include two more fields namely gender and mobile the student table.

Ans 2.

```
SQL> ALTER TABLE Student_20BAI1154 ADD gender VARCHAR2(10) ADD mobile INT;
Table altered.

SQL> desc Student_20BAI1154;
  Name                                Null?     Type
-----
REGNUM                                NUMBER(38)
NAME                                  VARCHAR2(20)
DEPTID                                NUMBER(38)
SEMESTER                              NUMBER(38)
AGE                                   NUMBER(38)
GENDER                                VARCHAR2(10)
MOBILE                                NUMBER(38)

SQL>
```

3. Change the field name to SName in the Student table.

Ans 3.

```
SQL> ALTER TABLE Student_20BAI1154 RENAME COLUMN name TO SName;
Table altered.

SQL> desc Student_20BAI1154;
  Name                                Null?     Type
-----
REGNUM                                NUMBER(38)
SNAME                                  VARCHAR2(20)
DEPTID                                NUMBER(38)
SEMESTER                              NUMBER(38)
AGE                                   NUMBER(38)
GENDER                                VARCHAR2(10)
MOBILE                                NUMBER(38)

SQL>
```

4. Change the field fid to FacultyID in Faculty and Class tables.

Ans 4.

```
SQL> ALTER TABLE Faculty_20BAI1154 RENAME COLUMN fid TO FacultyID;
```

Table altered.

```
SQL> desc Faculty_20BAI1154;
```

Name	Null?	Type
FACULTYID		NUMBER(38)
FNAME		VARCHAR2(20)
DEPTID		NUMBER(38)

```
SQL> ALTER TABLE Class_20BAI1154 RENAME COLUMN fid TO FacultyID;
```

Table altered.

```
SQL> desc Class_20BAI1154;
```

Name	Null?	Type
CNAME		VARCHAR2(20)
SLOT		VARCHAR2(5)
ROOM		NUMBER(38)
FACULTYID		NUMBER(38)

```
SQL>
```

5. Drop the table named Enrolled.

```
SQL> desc Enrolled_20BAI1154;
```

Name	Null?	Type
REGNUM		NUMBER(38)
CNAME		VARCHAR2(20)

```
SQL> DROP TABLE Enrolled_20BAI1154;
```

Table dropped.

```
SQL> desc Enrolled_20BAI1154;
```

ERROR:

ORA-04043: object Enrolled_20BAI1154 does not exist