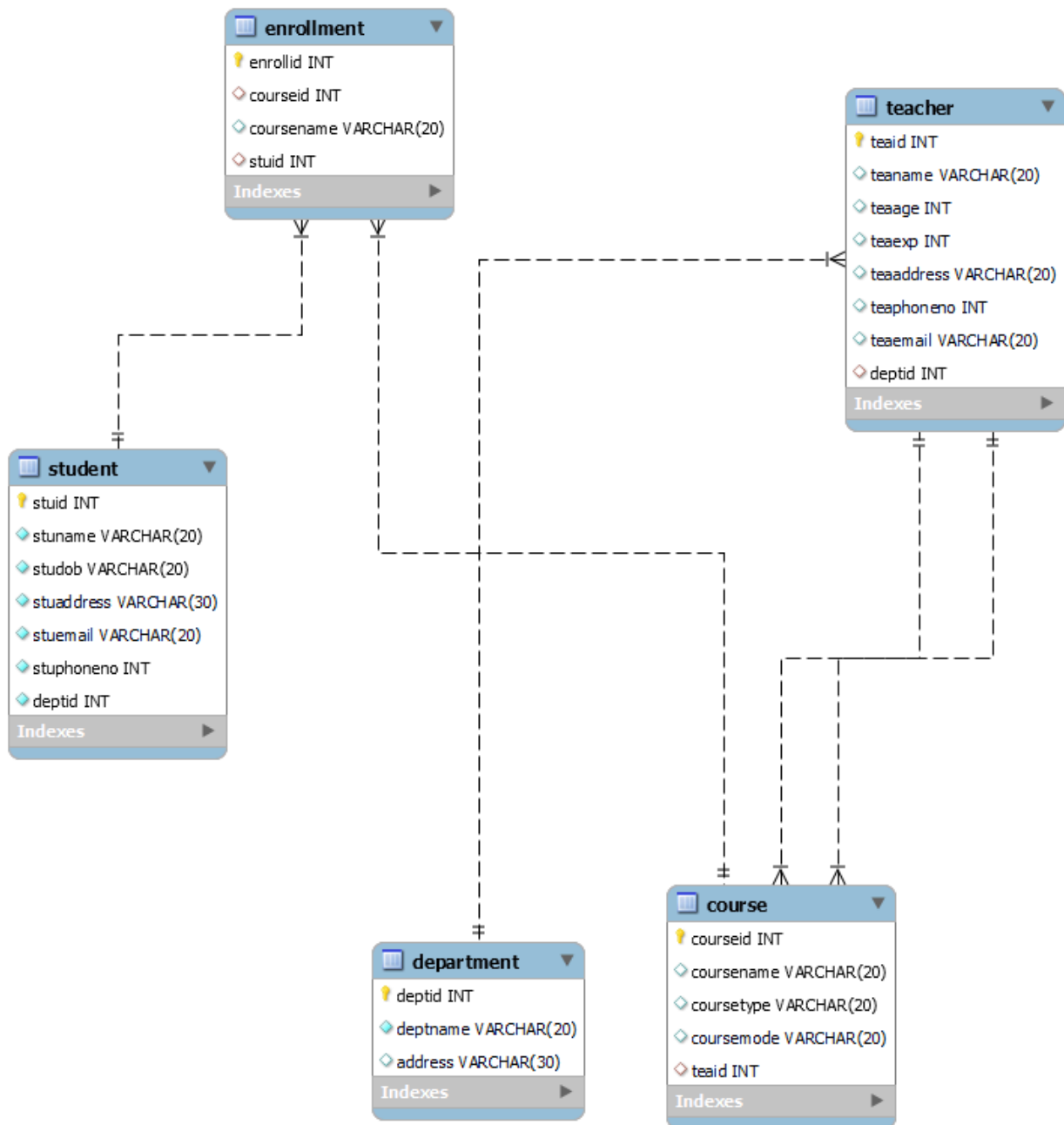
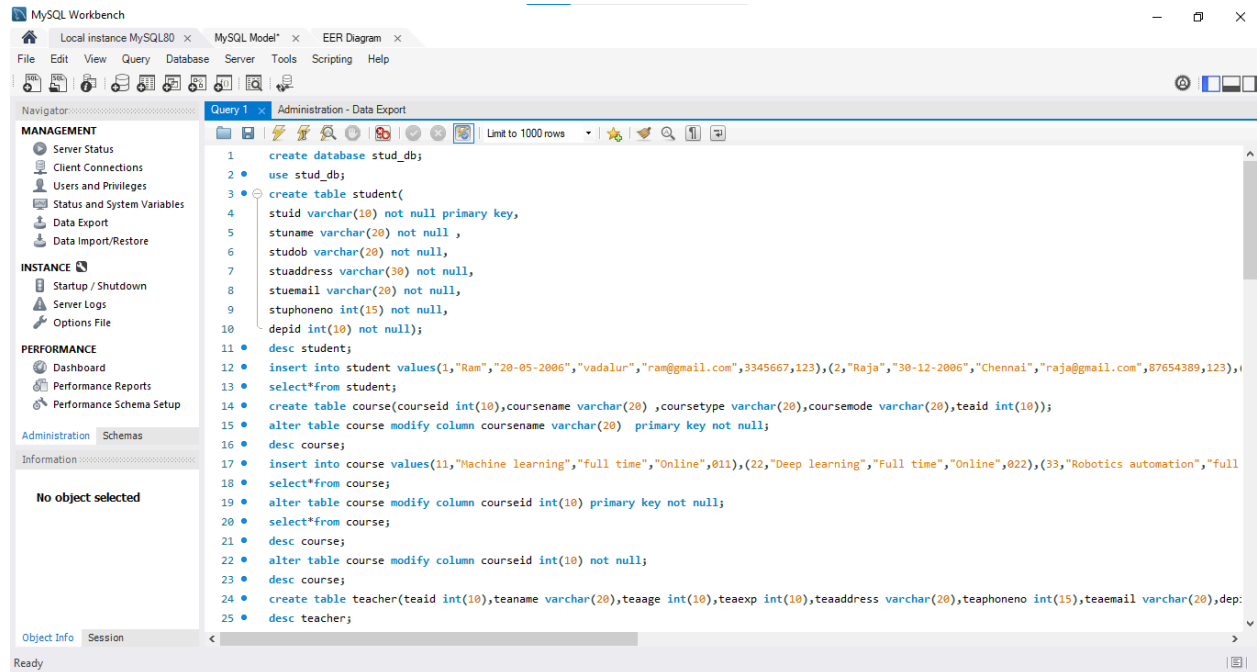


## Student Management System

### ER - Diagram :

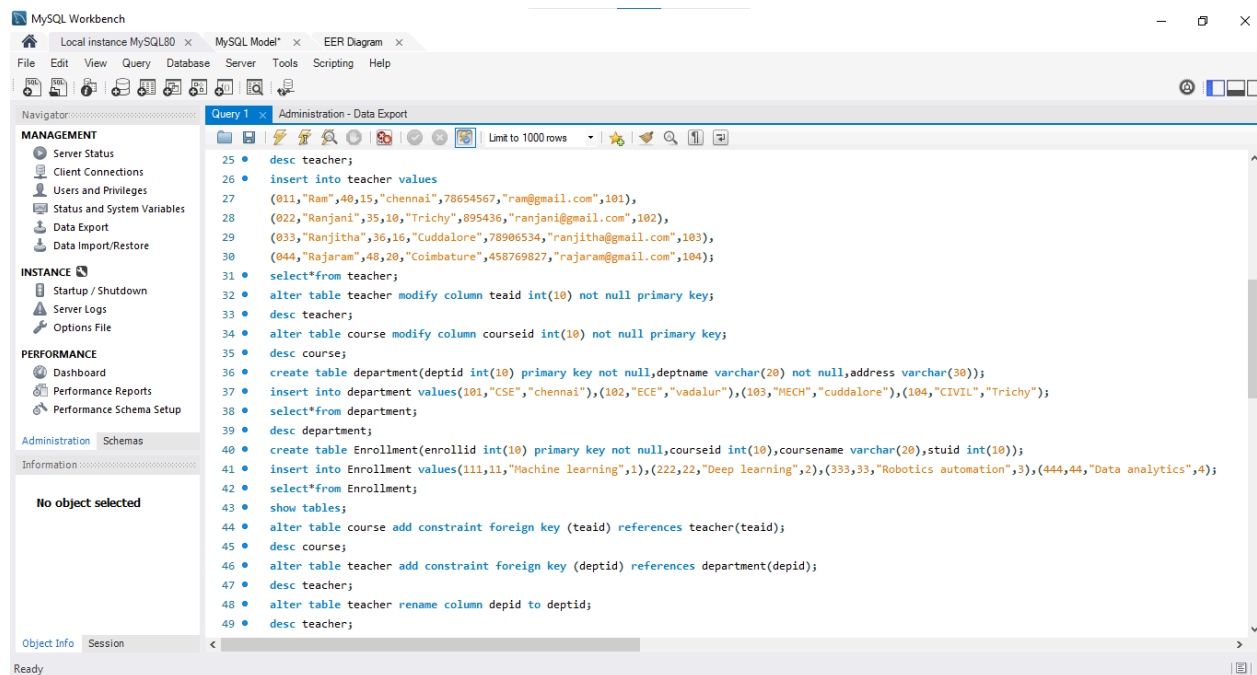


## Crud Operations:



The screenshot shows the MySQL Workbench interface with a SQL script in the Query Editor. The script is titled "Administration - Data Export" and contains the following SQL statements:

```
1 create database stud_db;
2 use stud_db;
3 create table student(
4   stuid varchar(10) not null primary key,
5   stuname varchar(20) not null ,
6   studob varchar(20) not null,
7   stuaddress varchar(30) not null,
8   stuemail varchar(20) not null,
9   stuphoneno int(15) not null,
10  depid int(10) not null);
11 desc student;
12 insert into student values(1,"Ram","20-05-2006","vadalur","ram@gmail.com",3345667,123),(2,"Raja","30-12-2006","Chennai","raja@gmail.com",87654389,123),
13 select*from student;
14 create table course(courseid int(10),coursename varchar(20) ,coursetype varchar(20),coursemode varchar(20),teaid int(10));
15 alter table course modify column coursename varchar(20) primary key not null;
16 desc course;
17 insert into course values(11,"Machine learning","full time","Online",011),(22,"Deep learning","Full time","Online",022),(33,"Robotics automation","full
18 select*from course;
19 alter table course modify column courseid int(10) primary key not null;
20 select*from course;
21 desc course;
22 alter table course modify column courseid int(10) not null;
23 desc course;
24 create table teacher(teaid int(10),teaname varchar(20),teaage int(10),teaexp int(10),teaaddress varchar(20),teaphoneno int(15),teaemail varchar(20),dep:
25 desc teacher;
```



The screenshot shows the MySQL Workbench interface with a SQL script in the Query Editor. The script is titled "Administration - Data Export" and contains the following SQL statements:

```
25 desc teacher;
26 insert into teacher values
27 (011,"Ram",40,15,"chennai",78654567,"ram@gmail.com",101),
28 (022,"Ranjani",35,10,"Trichy",895436,"ranjani@gmail.com",102),
29 (033,"Ranjitha",36,16,"Cuddalore",78906534,"ranjitha@gmail.com",103),
30 (044,"Rajaram",48,20,"Coimbatore",458769827,"rajaram@gmail.com",104);
31 select*from teacher;
32 alter table teacher modify column teaid int(10) not null primary key;
33 desc teacher;
34 alter table course modify column courseid int(10) not null primary key;
35 desc course;
36 create table department(deptid int(10) primary key not null,deptname varchar(20) not null,address varchar(30));
37 insert into department values(101,"CSE","chennai"),(102,"ECE","vadalur"),(103,"MECH","cuddalore"),(104,"CIVIL","Trichy");
38 select*from department;
39 desc department;
40 create table Enrollment(enrollid int(10) primary key not null,courseid int(10),coursename varchar(20),stuid int(10));
41 insert into Enrollment values(111,11,"Machine learning",1),(222,22,"Deep learning",2),(333,33,"Robotics automation",3),(444,44,"Data analytics",4);
42 select*from Enrollment;
43 show tables;
44 alter table course add constraint foreign key (teaid) references teacher(teaid);
45 desc course;
46 alter table teacher add constraint foreign key (deptid) references department(depid);
47 desc teacher;
48 alter table teacher rename column depid to deptid;
49 desc teacher;
```

