>create table Department(dept\_no int,dept\_name varchar(15),bldg\_name

varchar(15),unique(dept\_name));

>Insert into Department (dept\_no,dept\_name,bldg\_name) values (1,’COMP’,’B1’);

>Insert into Department (dept\_no,dept\_name,bldg\_name) values (2,’ENTC’,’B2’);

>Insert into Department (dept\_no,dept\_name,bldg\_name) values (3,’IT’,’B3’);

>create table instructor(ins\_id int,ins\_name varchar(15) not null,dept\_no int,salary int,mob\_no int,primary key(ins\_id));

>Insert into instructor (ins\_id ,ins\_name ,dept\_no ,salary ,mob\_no) values (11,’Kiran’,1,20000,98);

>Insert into instructor (ins\_id ,ins\_name ,dept\_no ,salary ,mob\_no) values

(12,’Rohan’,2,20000,987654321);

>Insert into instructor (ins\_id ,ins\_name ,dept\_no ,salary ,mob\_no) values

(13,’Ram’,3,20000,987654222);

>create table course(course\_id int,title varchar(15),dept\_no int,credits int,primary key(course\_id));

>Insert into course (course\_id ,title,dept\_no ,credits ) values (111,’COMP’,1,10);

>Insert into course (course\_id ,title,dept\_no ,credits ) values (222,’ENTC’,2,10);

>Insert into course (course\_id ,title,dept\_no ,credits ) values (333,’IT’,3,10);

>create table teachers(teacher\_id int,course\_id int,semester int,year year,foreign key (teacher\_id) references instructor(ins\_id),foreign key (course\_id) references course(course\_id));

**MAIN Practical Queries –**

1. **Add the primary key in department table.**

alter table Department add primary key(dept\_no);

desc Department;

1. **Add the foreign key in instructor table.**

alter table instructor add foreign key(dept\_no) references Department(dept\_no);

desc instructor**;**

1. **Modify the table department by adding a column budget.**

alter table Department add column budget int;

select \* from Department;

1. **Create unique index on mobile number of instructor table.**

create unique index sr on instructor(mob\_no);

desc instructor;

1. **Create a view of instructor relation except the salary field.**

create view inst\_view as select ins\_id,ins\_name,dept\_no,mob\_no from instructor;

select \* from inst\_view;

1. **Insert record into instructor table using newly created viewname.**

insert into Department values(4,&quot;Elect&quot;,&quot;D&quot;,null);

select \* from Department;

select \* from inst\_view;

insert into inst\_view values(4,&quot;D&quot;,4,12000);

select \* from inst\_view;

1. **Update the department number of particular instructor using update view**.

update inst\_view set dept\_no=2 where ins\_id=4;

select \* from inst\_view;

1. **Delete record of particular instructor from instructor table using newly created viewname.**

delete from inst\_view where ins\_id=4;

1. **Delete the last view.**

drop view inst\_view;

select \* from inst\_view;

1. **Remove the Budget from department table.**

alter table Department drop budget;

select \* from Department;

1. **Increase the size of the title field of course relation.**

alter table course modify title varchar(20);

desc course;

1. **Create a view by showing a instructor name with a department name and its**

**salary.**

create view newview1 as select ins\_name,dept\_name,salary from instructor,Department

where instructor.dept\_no=Department.dept\_no;

select \* from newview1;

1. **Update salary of particular instructor using update view.**

update newview1 set salary=11000 where ins\_name=&quot;C&quot;;

select \* from instructor;

1. **Delete the index from the instructor table.**

alter table instructor drop index sr;

desc instructor;

1. **Rename the course table to another table name.**

rename table course to coursetable;

desc coursetable;

1. **Create a view by showing a instructor name and title of course he teaches.**

create view newview2 as select ins\_name,title from instructor,coursetable where

instructor.dept\_no=coursetable.dept\_no;

select \* from newview2;

1. **Delete the key from the department table.**

alter table instructor drop foreign key instructor\_ibfk\_1;

alter table Department drop primary key;

desc instructor;

1. **Change the sequence of your auto increment field.**

select \* from Student;

alter table Student auto\_increment=5;

select \* from Student;