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--Write a query to create table teacher with attributes id and name
without any primary key
create table teacher(id int,
name varchar(50));
--write to check structure of the table
desc teacher;
--b) Write a query to create a table course with column id, coursename
and term. Take a id column
as a reference column from teacher table
create table course(id int,
coursename varchar(20),
term int,
constraint k1 foreign key(id) references teacher(id)); -- here it will
give the error as primary key does not exist in teacher table
or
create table course(id int references teacher(id),
coursename varchar(20),
term int );
--d) Write a query to add primary key on the id column of teacher table
alter table teacher add primary key(id);

--Write a query to create a table course with column id, coursename and
term. Take a id column
as a reference column from teacher table
create table course(id int,
coursename varchar(20),
term int,
constraint k1 foreign key(id) references teacher(id)); -- this query will
execute id is a primary key in teacher table

desc course;
-- a query to check all the constraints on the tables
select * from all_constraints;
-- c) Add a column sitting place in the teacher table
Alter table teacher add sitting_place varchar(30);
-- to check structure of the table
desc teacher;
--e) Write a query to insert the values in the table as details are
mentioned
INSERT INTO teacher(id, name) VALUES (1234,'Krabappel');
INSERT INTO teacher (id, name) VALUES (5678,'Hoover');
INSERT INTO teacher (id, name) VALUES (9012,'stepp');
insert into course values(1234,'DBMS',21221);
insert into course values(9012,'computer network',21221);

-- write a query to retrieve data from teacher table
select * from teacher;
-- write a query to retrieve data from course table
select * from course;
insert into course(coursename,term) values('computer network',21221); --
null values accepted a foreign key
INSERT INTO teacher (name) VALUES ('stepp');-- ORA-01400: cannot insert
NULL into ("TEACHER"."TEACHER"."ID")

--f) Write a query to delete column term from course table
Alter table course drop column term;
-- check the description of the table course
desc course;
--g) Write a query to change the length of the coursename column to 32

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Alter table course modify coursename varchar(32);
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