Lesson 7 Project

For your question we need to create table and Manipulate data.  
college is the table name.

Data Types : varchar2(50) means it contains both integers and characters with size 50 we also change the length  
             varchar2(100) and varchar2(5)  
             char(1) single values 'A' ,'B','C'  
             number you want only number no characters need to use number with size (number(10))

NOT NULL means that field must be some value not empty you want empty or blank that field do not use NOT NULL.

Constraints : Primary Key means no duplicates not null also.For table only one primary key. if want to add fields by using single primary key name

example:

CONSTRAINT pk\_Faculty PRIMARY KEY(Faculty contact list)  
CONSTRAINT pk\_Faculty PRIMARY KEY(Faculty contact list,Course Book List by Semester)

Table Creation  
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create table college (  
Faculty contact list                        varchar2(50) NOT NULL,                
Course Book List by Semester                varchar2(50) NOT NULL,  
Course Schedule by semester                 varchar2(50) NOT NULL,  
Student Grade Report by semester            varchar2(50) NOT NULL,  
Faculty Semester grade report               char(1)      NOT NULL,  
Student GPA report by semester and overall varchar2(50) NOT NULL,  
Mailing list for Diplomas                   varchar2(50),  
Student Demographics                        varchar2(50),  
Sample query output                         varchar2(50),  
CONSTRAINT pk\_Faculty PRIMARY KEY(Faculty contact list)

)

Manipulate Data  
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we need to insert some data by using insert.we can also delete data

insert into college values('Grigsby',''1305','This course is designed to','A','A','GPA report','a@ctcd.edu','18','output');  
commit;

you want to delete any row by using column.

delete from college where Faculty contact list='Grigsby';  
commit;

Select command  
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select count(\*) from college;

1 row selected. (it means number of rows with data display)

we also view the data by using column.

select Faculty contact list||'~||Course Book List by Semester||'~'||Course Schedule by semester||'~'||Student Grade Report by semester  
||'~'||Mailing list for Diplomas||'~'||Student Demographics||'~'||Sample query output where Faculty contact list='Grigsby';