Laboratory Assignments
Subject: Introduction to Databases
Subject code: CSE 3151

Assignment 1: Practicing DDL and DML Commands

Objective of this Assignment:

- To create tables and to insert data into these tables.

1. Create the following Tables with their respective columns, data types and size.

Table Name	Columns	Datatypes	Size
	ID	Number	5
	Name	Varchar2	30
Instructor	Dept_name	Varchar2	20
	Salary	Number	6

Table Name	Columns	Datatypes	Size
	Course_id	Varchar2	10
	Title	Varchar2	30
Course	Dept_name	Varchar2	20
	Credits	Number	2

Table Name	Columns	Datatypes	Size
	Course_id	Varchar2	10
Prereq	Prereq_id	Varchar2	10

Table Name	Columns	Datatypes	Size
	Dept_name	Varchar2	20
	Building	Varchar2	20
Department	Budget	Number	10

Table Name	Columns	Datatypes	Size
	ID	Number	5
	Course_id	Varchar2	10
	Sec_id	Number	2
Teaches	Semester	Varchar2	10
	year	Number	4

2. Insert data into **Instructor** table with the data below:

ID	name	dept_name	salary
10101	Srinivasan	Comp. Sci.	65000
12121	Wu	Finance	90000
15151	Mozart	Music	40000
22222	Einstein	Physics	95000
32343	El Said	History	60000
33456	Gold	Physics	87000
45565	Katz	Comp. Sci.	75000
58583	Califieri	History	62000
76543	Singh	Finance	80000
76766	Crick	Biology	72000
83821	Brandt	Comp. Sci.	92000
98345	Kim	Elec. Eng.	80000

3. Insert data into **Course** table with the data below:

course_id	title	dept_name	credits
BIO-101	Intro. to Biology	Biology	4
BIO-301	Genetics	Biology	4
BIO-399	Computational Biology	Biology	3
CS-101	Intro. to Computer Science	Comp. Sci.	4
CS-190	Game Design	Comp. Sci.	4
CS-315	Robotics	Comp. Sci.	3
CS-319	Image Processing	Comp. Sci.	3
CS-347	Database System Concepts	Comp. Sci.	3
EE-181	Intro. to Digital Systems	Elec. Eng.	3
FIN-201	Investment Banking	Finance	3
HIS-351	World History	History	3
MU-199	Music Video Production	Music	3
PHY-101	Physical Principles	Physics	4

4. Insert data into **Prereq** table with the data below:

course_id	prereq_id
BIO-301	BIO-101
BIO-399	BIO-101
CS-190	CS-101
CS-315	CS-101
CS-319	CS-101
CS-347	CS-101
EE-181	PHY-101

5. Insert data into **Department** table with the data below:

dept_name	building	budget
Biology	Watson	90000
Comp. Sci.	Taylor	100000
Elec. Eng.	Taylor	85000
Finance	Painter	120000
History	Painter	50000
Music	Packard	80000
Physics	Watson	70000

6. Insert data into **Teaches** table with the data below:

ID	course_id	sec_id	semester	year
10101	CS-101	1	Fall	2009
10101	CS-315	1	Spring	2010
10101	CS-347	1	Fall	2009
12121	FIN-201	1	Spring	2010
15151	MU-199	1	Spring	2010
22222	PHY-101	1	Fall	2009
32343	HIS-351	1	Spring	2010
45565	CS-101	1	Spring	2010
45565	CS-319	1	Spring	2010
76766	BIO-101	1	Summer	2009
76766	BIO-301	1	Summer	2010
83821	CS-190	1	Spring	2009
83821	CS-190	2	Spring	2009
83821	CS-319	2	Spring	2010
98345	EE-181	1	Spring	2009