**CSE 3110, Lab 2.**

**Lab Task: 1**

students (roll number(4), name varchar(20), enrolment\_date date);

courses (c\_id varchar(10), c\_name varchar(30), year number(1), term

number(1));

1. describe the tables.

2. In students table, add a field named phone varchar(15).

3. In students table, alter the data type of roll field to number(7).

4. In courses table, rename field c\_id to c\_no.

5. Now describe the above created tables again.

6. Now insert two demo records in both the tables.

7. Now show both tables with data.

**Lab Task: 2**

Create the following table namely Employee

(employee\_id NUMBER(10) NOT NULL,  
first\_name VARCHAR(25) NOT NULL,  
last\_name VARCHAR(30) NOT NULL,  
hire\_date DATE DEFAULT sysdate)

1. Inset appropriate data
2. Try to insert null value
3. See the effect of sysdate

**Home Task:**

HT1:

CREATE TABLE hr.admin\_emp (

empno NUMBER(5) PRIMARY KEY,

ename VARCHAR2(15) NOT NULL,

ssn NUMBER(9) ENCRYPT,

job VARCHAR2(10),

mgr NUMBER(5),

hiredate DATE DEFAULT (sysdate),

photo BLOB,

sal NUMBER(7,2),

hrly\_rate NUMBER(7,2),

comm NUMBER(7,2),

deptno NUMBER(3) NOT NULL

);

Different data types are used. Integrity constraints are defined on several columns of the table. You will learn later about integrity constraint. For the time being ignore it.

HT2: Insert appropriate data on table and see the effect. Try to apply alter table as you desire.