SQL Lab Databases Info

Your assigned user ID has SELECT access to the ***CustomerService*** and the ***Students*** databases. These databases are used for labs during this SQL course. When selecting from tables, either set your default database to ***CustomerService***, ***Students***, or your own user-assigned database (depending on the lab requirements) or alternatively, qualify your table names to reflect the appropriate database.

The following pages include table definitions for the ***CustomerService*** database and the ***Students*** database.

You may want to use this document for reference throughout this course.

CustomerService Database Table Definitions

```
CREATE SET TABLE agent_sales ,NO FALLBACK ,
     NO BEFORE JOURNAL,
     NO AFTER JOURNAL
     (
      agent_id INTEGER,
      sales_amt INTEGER)
UNIQUE PRIMARY INDEX ( agent_id );

CREATE TABLE clob_files
  (Id INTEGER NOT NULL,
   text_file CLOB(10000))
UNIQUE PRIMARY INDEX ( Id );

CREATE TABLE contact, FALLBACK
      (contact_number INTEGER
      ,contact_name CHAR(30) NOT NULL
      ,area_code SMALLINT NOT NULL
      ,phone INTEGER NOT NULL
      ,extension INTEGER
      ,last_call_date DATE NOT NULL)
       UNIQUE PRIMARY INDEX (contact_number);

CREATE TABLE customer, FALLBACK
      (customer_number INTEGER
      ,customer_name CHAR(30) NOT NULL
      ,parent_customer_number INTEGER
      ,sales_employee_number INTEGER
      )
       UNIQUE PRIMARY INDEX (customer_number);

CREATE SET TABLE daily_sales
      ,NO FALLBACK ,
     NO BEFORE JOURNAL,
     NO AFTER JOURNAL
     (
      itemid INTEGER,
      salesdate DATE FORMAT 'YY/MM/DD',
      sales DECIMAL(9,2))
PRIMARY INDEX ( itemid );
```

```
CREATE SET TABLE daily_sales_2014
      ,NO FALLBACK ,
     NO BEFORE JOURNAL,
     NO AFTER JOURNAL
     (
      itemid INTEGER,
      salesdate DATE FORMAT 'YY/MM/DD',
      sales DECIMAL(9,2))
PRIMARY INDEX ( itemid );

CREATE TABLE department, FALLBACK
      (department_number SMALLINT
      ,department_name CHAR(30) NOT NULL
      ,budget_amount DECIMAL(10,2)
      ,manager_employee_number INTEGER
      )
       UNIQUE PRIMARY INDEX (department_number)
      ,UNIQUE         INDEX (department_name);

CREATE TABLE employee, FALLBACK
     (employee_number INTEGER
     ,manager_employee_number INTEGER
     ,department_number INTEGER
     ,job_code INTEGER
     ,last_name CHAR(20) NOT NULL
     ,first_name VARCHAR(30) NOT NULL
     ,hire_date DATE NOT NULL
     ,birthdate DATE NOT NULL
     ,salary_amount DECIMAL(10,2) NOT NULL
     )
      UNIQUE PRIMARY INDEX (employee_number);

CREATE TABLE employee_phone, FALLBACK
     (employee_number INTEGER NOT NULL
     ,area_code SMALLINT NOT NULL
     ,phone INTEGER NOT NULL
     ,extension INTEGER
     ,comment_line CHAR(72)
     )
      PRIMARY INDEX (employee_number);

CREATE SET TABLE Jan_sales
      ,NO FALLBACK ,
     NO BEFORE JOURNAL,
     NO AFTER JOURNAL
     (
      itemid INTEGER,
      salesdate DATE FORMAT 'YY/MM/DD',
      sales DECIMAL(9,2))
PRIMARY INDEX ( itemid );
```

```
CREATE TABLE job, FALLBACK
     (job_code INTEGER
     ,description VARCHAR(40) NOT NULL
     ,hourly_billing_rate DECIMAL(6,2)
     ,hourly_cost_rate DECIMAL(6,2)
     )
      UNIQUE PRIMARY INDEX (job_code)
     ,UNIQUE         INDEX (description);

CREATE TABLE location, FALLBACK
     (location_number INTEGER
     ,customer_number INTEGER NOT NULL
     ,first_address_line CHAR(30) NOT NULL
     ,city VARCHAR(30) NOT NULL
     ,state CHAR(15) NOT NULL
     ,zip_code INTEGER NOT NULL
     ,second_address_line CHAR(30)
     ,third_address_line CHAR(30)
     )
      PRIMARY INDEX (customer_number);

CREATE TABLE location_employee, FALLBACK
     (location_number INTEGER NOT NULL
     ,employee_number INTEGER NOT NULL
     )
      PRIMARY INDEX (employee_number);

CREATE TABLE location_phone, FALLBACK
     (location_number INTEGER
     ,area_code SMALLINT NOT NULL
     ,phone INTEGER NOT NULL
     ,extension INTEGER
     ,description VARCHAR(40) NOT NULL
     ,comment_line LONG VARCHAR
     )
      PRIMARY INDEX (location_number);

CREATE TABLE phonelist
     ( LastName CHAR(20),
      FirstName CHAR(20),
      Number CHAR(12) NOT NULL,
      Photo BLOB(10000))
UNIQUE PRIMARY INDEX ( Number );

CREATE TABLE repair_time
( serial_number   INTEGER
 ,product_desc    CHAR(8)
 ,start_time      TIMESTAMP(0)
 ,end_time  TIMESTAMP(0))
UNIQUE PRIMARY INDEX (serial_number);
```

```
CREATE SET TABLE salestbl
      ,NO FALLBACK ,
     NO BEFORE JOURNAL,
     NO AFTER JOURNAL
     (
      storeid INTEGER,
      prodid CHAR(1),
      sales DECIMAL(9,2))
PRIMARY INDEX ( storeid );

CREATE TABLE country_sales (
      country VARCHAR(50),
      yr INTEGER,
      quarter CHAR(2),
      sales INTEGER )
PRIMARY INDEX (country);
```

Students Database Table Definitions

```
CREATE TABLE  city ,NO FALLBACK ,
     NO BEFORE JOURNAL,
     NO AFTER JOURNAL
     (
      cityname CHAR(15) NOT CASESPECIFIC,
      citystate CHAR(2) NOT CASESPECIFIC,
      citypop INTEGER)
PRIMARY INDEX ( cityname );

CREATE TABLE  customers ,NO FALLBACK ,
     NO BEFORE JOURNAL,
     NO AFTER JOURNAL
     (
      cust_id     integer not null
     ,cust_name   char(15)
     ,cust_addr   char(25) compress)
PRIMARY INDEX ( cust_id);

CREATE TABLE orders ,NO FALLBACK ,
     NO BEFORE JOURNAL,
     NO AFTER JOURNAL
    (
     order_id     INTEGER  NOT NULL
    ,order_date   DATE FORMAT 'YYYY-MM-DD'
    ,cust_id      INTEGER
    ,order_status  CHAR(1))
UNIQUE PRIMARY INDEX ( order_id );

CREATE TABLE state ,NO FALLBACK ,
     NO BEFORE JOURNAL,
     NO AFTER JOURNAL
     (
      stateid CHAR(2) NOT CASESPECIFIC NOT NULL,
      statename CHAR(15) NOT CASESPECIFIC,
      statepop INTEGER NOT NULL,
      statecapitol CHAR(15) NOT CASESPECIFIC)
PRIMARY INDEX ( stateid );
```