

Ice Breaker:

1. **Christopher Pelletier's** favourite flavour of ice cream is **vanilla**, he wants to **get a better shape** before winter semester.
2. **Sean Michael Whalen's** favourite flavour of ice cream is **cotton candy**, he wants to **preorder aldon ring** before winter semester.

Lab Assignment:

1. Using the mysql client, login to the DBMS:

```
[ywang92@gc112m41 ~]$ mysql -h cs1103.cs.unb.ca -u ywang92 -p
[Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 68
Server version: 5.5.68-MariaDB MariaDB Server
```

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
[MariaDB [(none)]> use Ch01_Text
```

2. Specify the Ch01_Text database to work in:

```
[MariaDB [(none)]> use Ch01_Text
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A
```

Database changed

3. List the tables in this database:

```
[MariaDB [Ch01_Text]> show tables;
+-----+
| Tables_in_Ch01_Text |
+-----+
| AGENT                |
| CERTIFIED            |
| CUSTOMER             |
| EMPLOYEE             |
| EMPLOYEE_SKILLS      |
| SKILL                |
+-----+
6 rows in set (0.00 sec)
```

4. List the columns and their characteristics for the AGENT table:

```
[MariaDB [Ch01_Text]> show columns from AGENT;
```

Field	Type	Null	Key	Default	Extra
A_NAME	varchar(15)	YES		NULL	
A_PHONE	varchar(12)	YES		NULL	
A_ADDRESS	varchar(20)	YES		NULL	
ZIP	varchar(5)	YES		NULL	
HIRED	datetime	YES		NULL	
YTD_PAY	decimal(10,2)	YES		NULL	
YTD_FIT	decimal(10,2)	YES		NULL	
YTD_FICA	decimal(10,2)	YES		NULL	
YTD_SLS	decimal(10,2)	YES		NULL	
DEP	int(11)	YES		NULL	

10 rows in set (0.00 sec)

5. List all columns and records from the EMPLOYEE table:

```
[MariaDB [Ch01_Text]> SELECT * FROM EMPLOYEE;
```

EMPLOYEE_ID	EMPLOYEE_FNAME	EMPLOYEE_LNAME	EMPLOYEE_HIREDATE	EMPLOYEE_TITLE
02345	Johnny	Jones	1997-02-14 00:00:00	DBA
03373	Franklin	Johnson	2004-03-15 00:00:00	Purchasing Agent
04893	Patricia	Richards	2006-06-11 00:00:00	DBA
06234	Jasmine	Patel	2007-08-10 00:00:00	Programmer
08273	Marco	Bienz	2008-07-28 00:00:00	Analyst
09002	Ben	Joiner	2012-05-20 00:00:00	Clerk
09283	Juan	Chavez	2012-07-04 00:00:00	Clerk
09382	Jessica	Johnson	2012-08-02 00:00:00	Database Programmer
10282	Amanda	Richardson	2013-04-11 00:00:00	Clerk
13383	Raymond	Matthews	2014-03-12 00:00:00	Programmer
13567	Robert	Almond	2014-09-30 00:00:00	Analyst
13932	Megan	Lee	2015-09-29 00:00:00	Programmer
14311	Lee	Duong	2014-09-01 00:00:00	Programmer

13 rows in set (0.00 sec)

6. List only the EMPLOYEE_ID, and EMPLOYEE_TITLE data from the EMPLOYEE table:

```
[MariaDB [Ch01_Text]> SELECT EMPLOYEE_ID, EMPLOYEE_TITLE FROM EMPLOYEE;
```

EMPLOYEE_ID	EMPLOYEE_TITLE
02345	DBA
03373	Purchasing Agent
04893	DBA
06234	Programmer
08273	Analyst
09002	Clerk
09283	Clerk
09382	Database Programmer
10282	Clerk
13383	Programmer
13567	Analyst
13932	Programmer
14311	Programmer

```
13 rows in set (0.00 sec)
```

7. Choose another table in the database and explicitly list the data for three of the columns:

```
[MariaDB [Ch01_Text]> show columns from CUSTOMER;
```

Field	Type	Null	Key	Default	Extra
C_NAME	varchar(20)	YES		NULL	
C_PHONE	varchar(12)	YES		NULL	
C_ADDRESS	varchar(30)	YES		NULL	
C_ZIP	varchar(5)	YES		NULL	
A_NAME	varchar(20)	YES		NULL	
A_PHONE	varchar(12)	YES		NULL	
TP	varchar(2)	YES		NULL	
AMT	decimal(6,2)	YES		NULL	
REN	datetime	YES		NULL	

9 rows in set (0.00 sec)

```
[MariaDB [Ch01_Text]> SELECT C_NAME, C_PHONE, C_ADDRESS FROM CUSTOMER;
```

C_NAME	C_PHONE	C_ADDRESS
Alfred A. Ramas	615-844-2573	218 Fork Rd., Babs, TN
Leona K. Dunne	713-894-1238	Box 12A, Fox, KY
Kathy W. Smith	615-894-2285	125 Oak Ln, Babs, TN
Paul F. Olowski	615-894-2180	217 Lee Ln., Babs, TN
Myron Orlando	615-222-1672	Box 111, New, TN
Amy B. O'Brian	713-442-3381	387 Troll Dr., Fox, KY
James G. Brown	615-297-1228	21 Tye Rd., Nash, TN
George Williams	615-290-2556	155 Maple, Nash, TN
Anne G. Farriss	713-382-7185	2119 Elm, Crew, KY
Olette K. Smith	615-297-3809	2782 Main, Nash, TN

10 rows in set (0.00 sec)