

## Assignment 0 (5 points)

This assignment is an introduction to the use of DB2 on our department server. You will use the on-line submission facility to submit your Assignment.txt file. Use a simple text editor to write your SQL commands and copy and paste them in PUTTY (or other UNIX client).

### 1. Connect to DB2 using C3421M as database name. Enter under the DB2 shell.

Direct your output to a file called **Assignment\_0.txt** and put the **ECHO ON** in COMMAND OPTIONS (see details in course how to do this). Hence, the file **Assignment\_0.txt** will be in your UNIX account (red server) after you close the connection to DB2.

Under the **db2 shell** execute the following commands:

- **CREATE TABLE CLUB\_2016** (example in Figure 1). The columns of the table are: club\_id, club\_name, club\_address, club\_type, club\_start\_date, club\_contact. The club type can be only one of the following: "horse\_racing", "biking", "car\_racing", "fishing", and "skiing". There are different domain attributes for the columns in the table: integer, varchar (n), and date. **To continue your command on multiple lines (under db2 shell) leave 2 spaces and type a backlash (\).**

```
create table CLUB_2016 ( \
club_id          integer not null primary key, \
club_name        varchar(10) not null, \
club_address     varchar(12) not null, \
club_type        varchar(12) not null check (club_type in ('horse_racing','biking', \
'car_racing','fishing','skiing' )), \
club_start_date  date not null, \
club_contact     varchar(12) not null )
```

Figure 1. Example of a SQL command **CREATE**.

- **INSERT INTO CLUB\_2016** (example in figure 2). Repeat the command INSERT such as you will insert **4 data rows** in your table CLUB\_2016. **Your values must be distinct from the values in Figure 2.** In INSERT command (Figure 2) there is one value for each column in the table. Use your family name (if longer name, then use the first 12 characters) as data for club\_contact in all rows.

```
insert into club_2016 values \
(100, 'HIPPO', 'Toronto, CA', 'horse_racing', '02/12/2001', 'Allison Mac')
```

Figure 2. Example of a SQL command **INSERT**.

- **SELECT** all data from table CLUB\_2016 (example in Figure 3). Your SELECT command must display 4 rows with data (all distinct from the row in Figure 3)

```
SELECT * FROM CLUB_2016
```

CLUB_ID	CLUB_NAME	CLUB_ADDRESS	CLUB_TYPE	CLUB_START_DATE	CLUB_CONTACT
100	HIPPO	Toronto, CA	horse_racing	02/12/2001	Allison Mac

Figure 3. SELECT command from my table (the SELECT statement is presented in red, the result is presented in black)

- **LIST TABLES** (this is a DB2 command that will give you a list with all your tables)
- **LIST COMMAND OPTIONS**
- **COMMIT WORK**
- **TERMINATE**

Check that your file **Assignment\_0.txt** is not empty.

## 2. How to submit **Assignment\_0.txt** ?

Go the submit page (see the link on the course Web site).  
Choose (Figure 4)

**Academic Year 2015-16;**

**Term: W;**

**Course: 3421;**

**Assignment: A0**

Browse your folders to find your file **Assignment\_0.txt**.

Submit the file. You will see the image in Figure 5, click OK.

You will see the confirmation of your submission at the bottom of the submit page (Figure 6).

Logout.

Academic Year: 2015-16  
Term: W  
Course: 3421  
Assignment: A0  
Submit Status: Submission Enabled  
Feedback: None

Please specify files to submit:  
(You can submit up to 10 files at once!)

Browse... No file selected.  
Browse... No file selected.  
Browse... No file selected.  
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Browse... No file selected.  
Browse... No file selected.  
Browse... No file selected.

Maximum total upload size: 512 MB

**You have not submitted any files.**

Submit Files Logout

Figure 4

\*\*\*\*\* ATTENTION \*\*\*\*\*

You are submitting files to:

Course: 3421  
Assignment: A0  
Academic Year: 2015-16  
Term: W

Failure to submit your assignment to the proper course may result in a failing grade for this assignment.

Press OK to proceed, or Cancel to cancel.

OK Cancel

Figure 5

Academic Year: 2015-16  
Term: W  
Course: 3421  
Assignment: A0  
Submit Status: Submission Enabled  
Feedback: None

Please specify files to submit:  
(You can submit up to 10 files at once!)

Browse... No file selected.  
Browse... No file selected.  
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Browse... No file selected.

Maximum total upload size: 512 MB

**You have submitted these files:**

• Assignment\_0.txt (489 B) 01/04/2016 21:50:45 Delete

**Messages:**

• Assignment\_0.txt submitted

Figure 6