**Answers for hands-on training session 2**

* Please check the answer only if you feel you cannot write the right code by yourself.
* You are encouraged to search Internet to find answer if you are unclear on a particular code.

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| **Task ID** | **Answers to the questions** |
| Task 1: | **CREATE TABLE countries (COUNTRY\_ID varchar(3), COUNTRY\_NAME varchar(45), REGION\_ID int(10));**  Note that, after creating a table in HeidiSQL, it will NOT automatically appear in the table list. In order to make it visible, please refresh the list.  *Please* ***right*** *click on the “database or table” area, then click “refresh”.*  C:\Users\liuy13\AppData\Roaming\Tencent\Users\37155891\QQ\WinTemp\RichOle\A61OCGTPRKMIGLPF@WK67GP.png |
| Task 2: | First, please activating “Data” window, C:\Users\liuy13\AppData\Roaming\Tencent\Users\37155891\QQ\WinTemp\RichOle\VX]MX[))F(7RDVZLGB[(B4S.png  Click the “+” button at the top of HeidiSQL,  \\home.org.aalto.fi\liuy13\windows\AppData\Roaming\Tencent\Users\37155891\QQ\WinTemp\RichOle\V24Y]0@ZER1]JZSR5AFN4HA.png  An empty row will appear in the “Data” window, please then insert value there.  Please also check the “Report” area of the software and find the command that is generated by HeidiSQL to insert values. |
| Task 3: | After inserting a record to the table, some commands appear at the “report” window, through which you could find a command like the one underscored by the red circle in the figure below.  C:\Users\liuy13\AppData\Roaming\Tencent\Users\37155891\QQ\WinTemp\RichOle\WFQHSE3CRC()~IIUYYLKVAT.png  By copying that command from the “report” window to the “command” window [where you write command], you can insert a new record by changing the inserted values.  For instance,  **INSERT** **INTO** countries (COUNTRY\_ID, COUNTRY\_NAME, REGION\_ID) **VALUES** ('SE', 'Sweden', 46);  Note that, the new record that was inserted via using a command will NOT automatically appear in the data view. In order to make it visible, please refresh the data.  *Please* ***right*** *click on the “data” area, then click “refresh”.* |
| Task 4: | **create** **table** dup\_countries **like** countries; |
| Task 5: | **drop** **table** dup\_countries; |
| Task 6: | **CREATE** **TABLE** dup\_countries2 **AS** **SELECT** \* **FROM** countries; |
| Task 7: | **CREATE** **TABLE** countries2 (  COUNTRY\_ID **varchar**(2) **NOT** **NULL**,  COUNTRY\_NAME **varchar**(40) **NOT** **NULL**,  REGION\_ID **decimal**(10,0) **NOT** **NULL**  ); |
| Task 8 | **CREATE** **TABLE** countries3 (  COUNTRY\_ID **varchar**(2),  COUNTRY\_NAME **ENUM**('Finland', 'Sweden', 'Denmark'),  REGION\_ID **decimal**(10,0)  );  Insert values: See task 2 and 3. |
| Task 9 | **CREATE** **TABLE** memory(Happy\_date **date**, Happy\_time **time** **default** **null**);  **insert** **into** memory **values** (20170112 , 111111);  **insert** **into** memory (Happy\_date) **values** (20170113);  **insert** **into** memory **values** (**curdate**(), **curtime**()); |
| Task 10 | **See the course slide for solution.** |
| Task 11 | **Just try the settings by yourself.** |
| **Advance tasks** | |
| Task 1 | **CREATE** **TABLE** city (  ID **int**(11) **NOT** **NULL** **AUTO\_INCREMENT**,  Name **char**(35) **NOT** **NULL** **DEFAULT** '',  CountryCode **char**(3) **NOT** **NULL** **DEFAULT** '',  District **char**(20) **NOT** **NULL** **DEFAULT** '',  Population **int**(11) **NOT** **NULL** **DEFAULT** '0',  **PRIMARY** **KEY** (ID)  )  Add comment via HeidiSQL  \\home.org.aalto.fi\liuy13\data\Desktop\QQ图片20170113093926.png |
| Task 2 | **CREATE** **TABLE** offices (  officeCode **varchar**(10) **NOT** **NULL**,  city **varchar**(50) **NOT** **NULL**,  phone **varchar**(50) **NOT** **NULL**,  addressLine1 **varchar**(50) **NOT** **NULL**,  addressLine2 **varchar**(50) **DEFAULT** **NULL**,  state **varchar**(50) **DEFAULT** **NULL**,  country **varchar**(50) **NOT** **NULL**,  postalCode **varchar**(15) **NOT** **NULL**,  territory **varchar**(10) **NOT** **NULL**,  **PRIMARY** **KEY** (officeCode)  ) |