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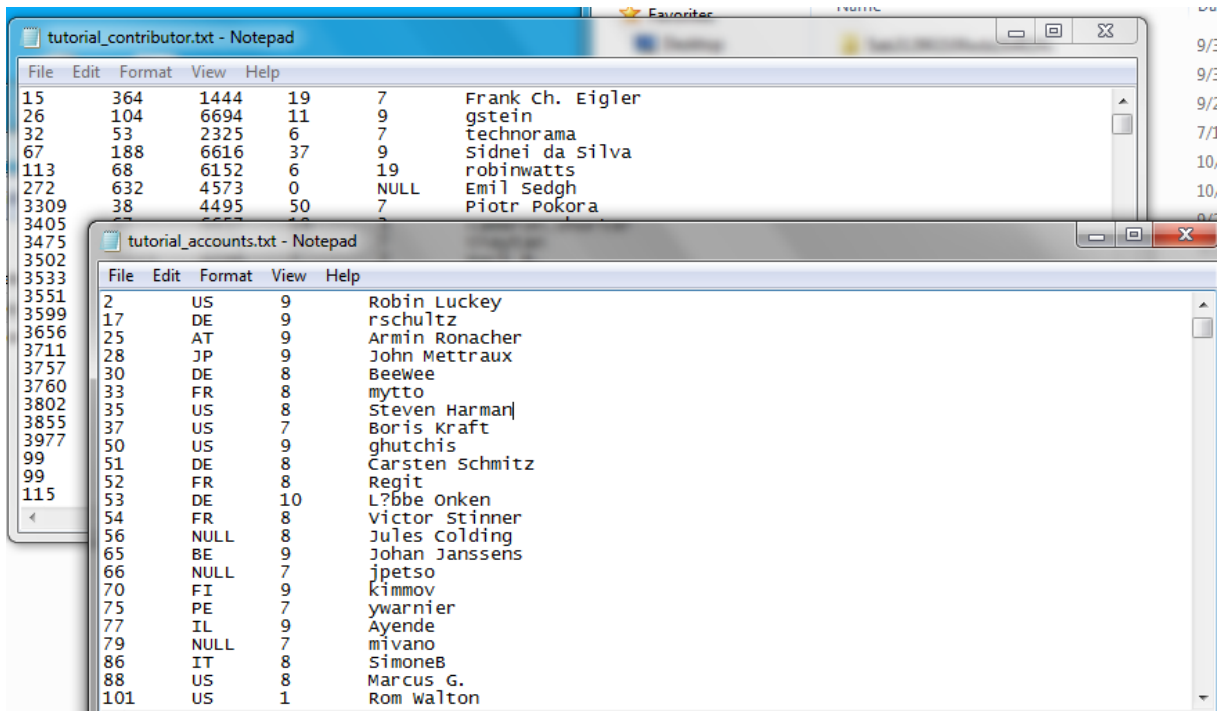
## 1. Downloading the Raw Data

Go to <http://www.ifi.uzh.ch/bi/teaching/fall2014/lecture.html>

Download the tutorial\_accounts.txt and tutorial\_contributor.txt.

Delete the first line of both files, and save them to your local disk.

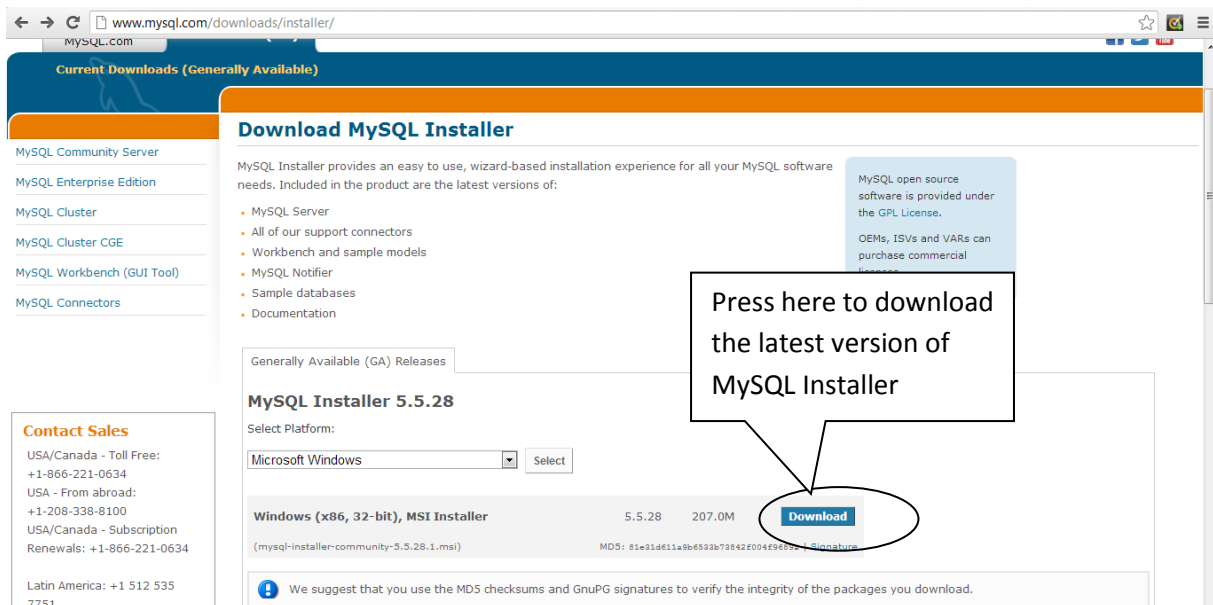
For example '*C:/tutorial\_accounts.txt*' & '*C:/tutorial\_contributor.txt*'



## 2. Downloading MySQL Installer

Go to <http://www.mysql.com/downloads/installer/> to download the latest version of MySQL Installer.

(Or <http://cdn.mysql.com/Downloads/MySQLInstaller/mysql-installer-community-5.5.28.1.msi>)



www.mysql.com/downloads/mirror.php?id=410046

MySQL.com Downloads (GUI)

Current Downloads (Generally Available)

MySQL Community Server  
 MySQL Enterprise Edition  
 MySQL Cluster  
 MySQL Cluster CGE  
 MySQL Workbench (GUI Tool)  
 MySQL Connectors

### Begin Your Download - mysql-installer-community-5.5.28.1.msi

Please take the time to let us know about you.

If this is the first time you have downloaded from us, you will be sent a password to enable you to log into all of the MySQL web sites, including forums and bugs.

If you already have a MySQL.com account, save time by logging in now.

Returning Users	New Users
<p><i>Save time by logging in</i></p> <p>Email: <input type="text"/></p> <p>Password: <input type="password"/></p> <p><a href="#">Forgot your password?</a></p> <p><a href="#">Login</a></p>	<p>Proceed with registration</p> <p><a href="#">Proceed</a></p>

[» No thanks, just start my download!](#)

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### 3. Install the MySQL package


Double click the execution file of mysql-installer-community-5.5.28.1.msi


MySQL Installer


# Welcome

The MySQL Installer guides you through the installation and configuration of your MySQL products. Run it from the Start Menu to perform maintenance tasks.

Select one of the actions below:

- 

**Install MySQL Products**  
 Guide you through the installation and configuration of your MySQL products.
- 

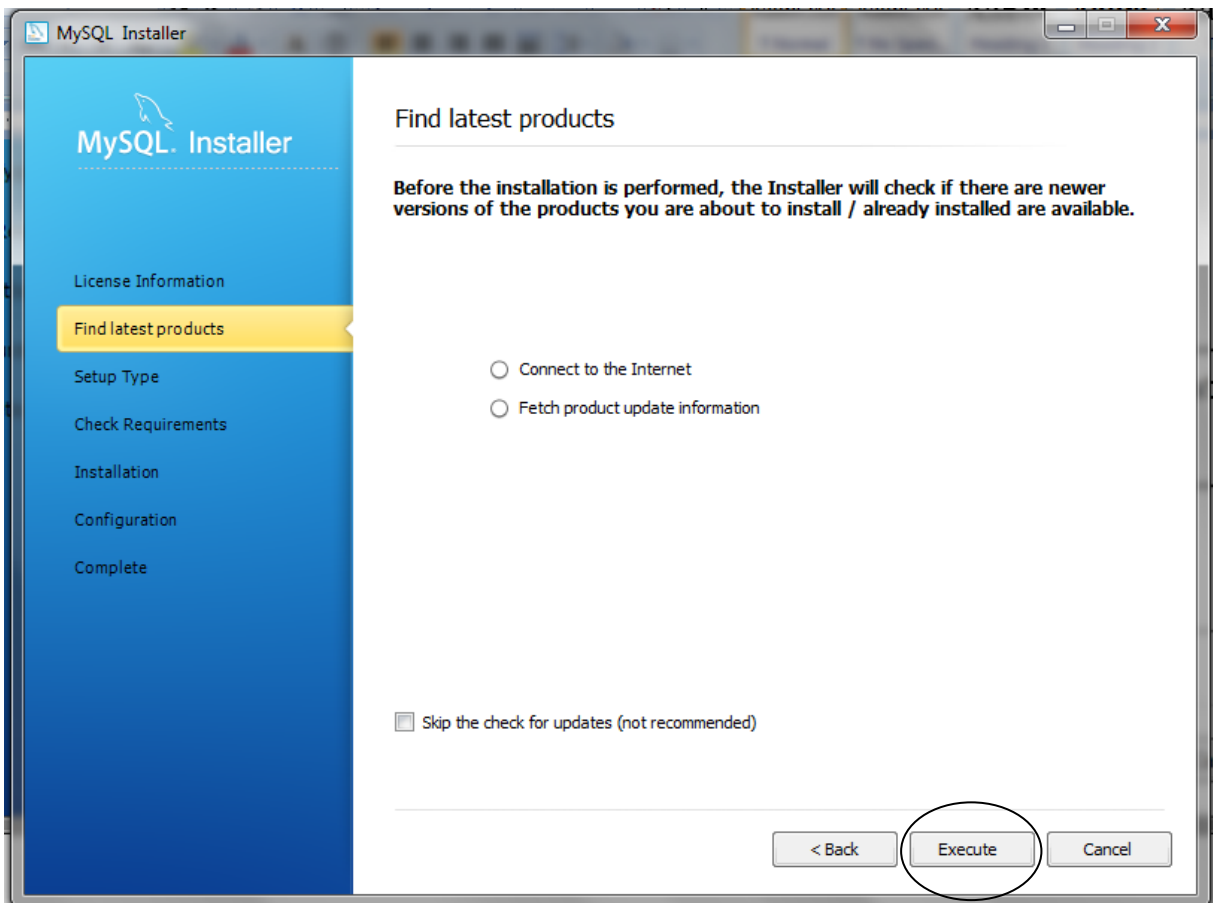
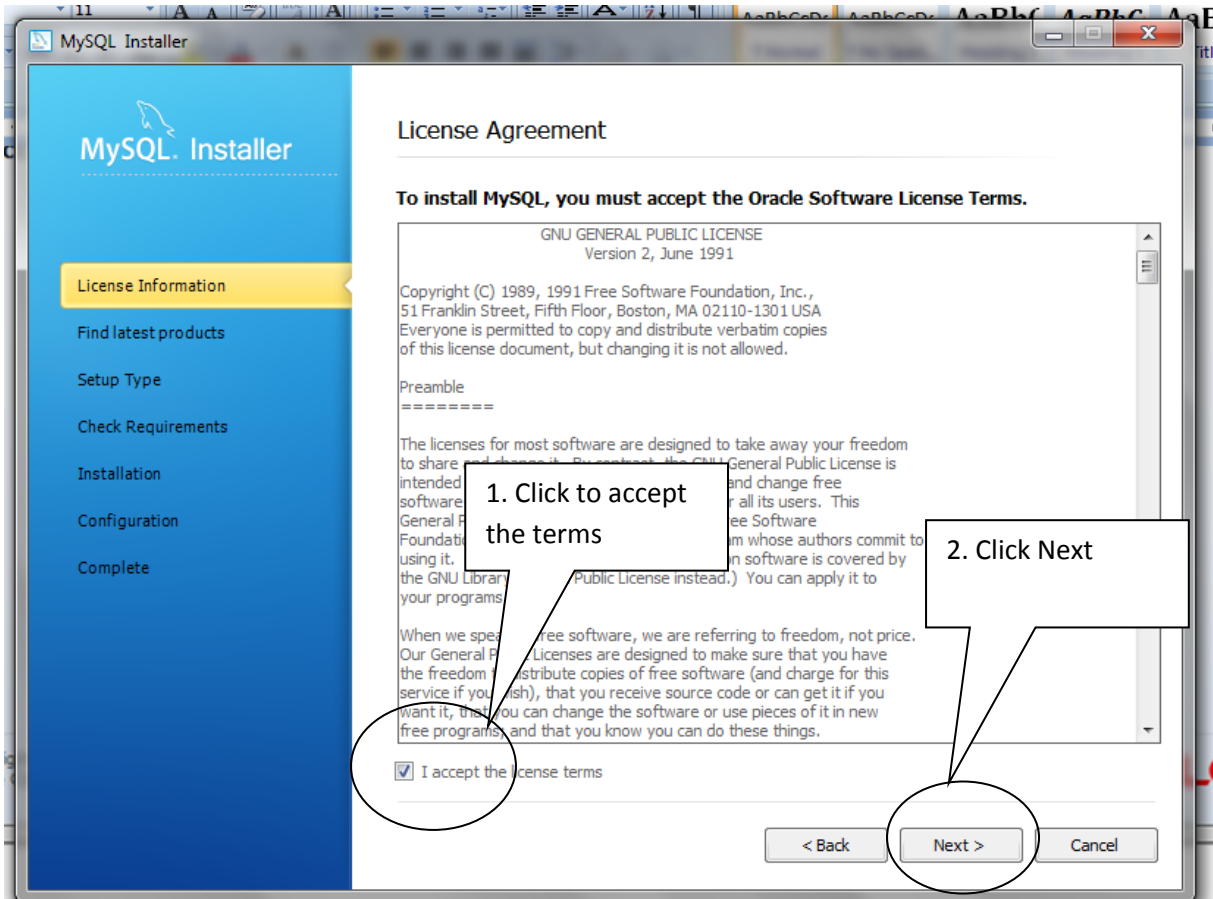
**About MySQL**  
 Learn more about MySQL products and better understand how you can benefit the most.
- 

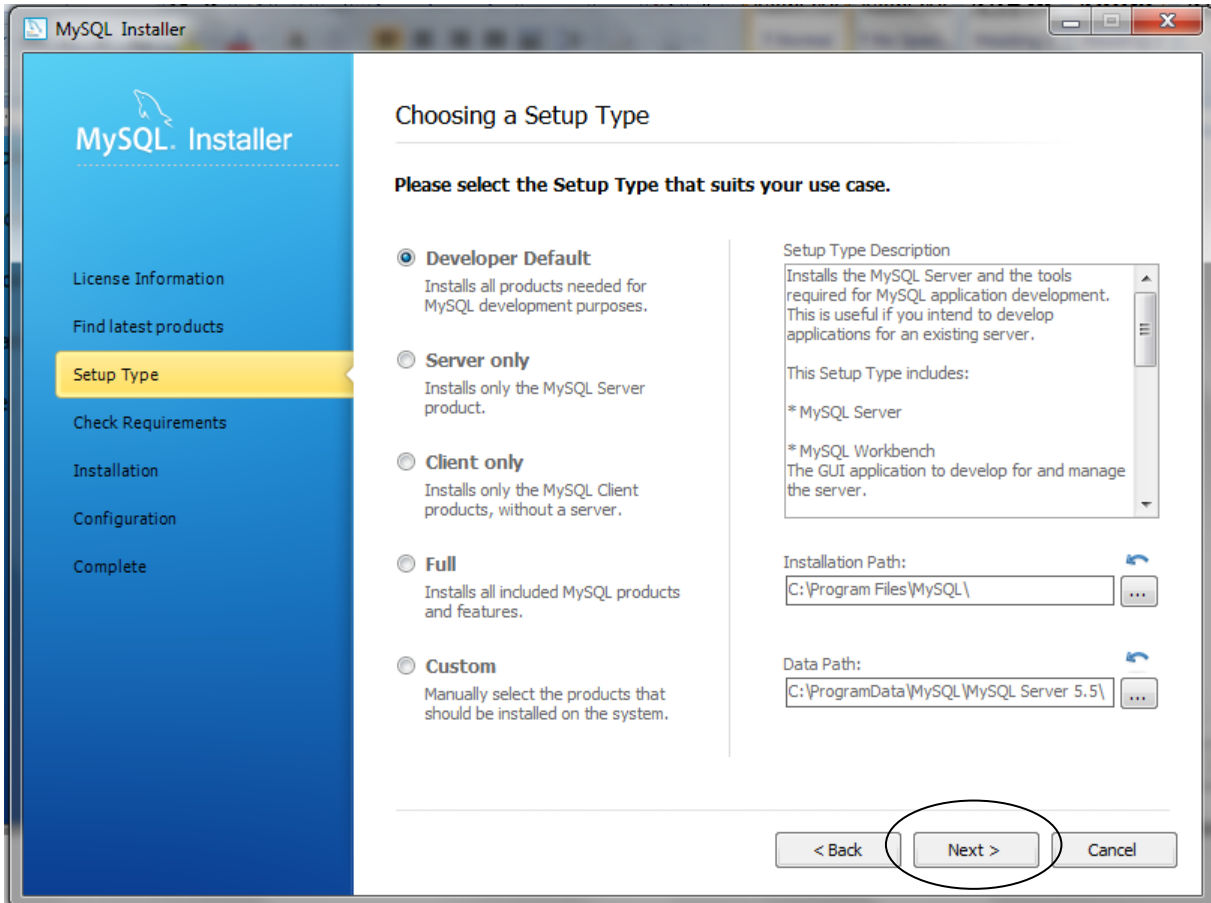
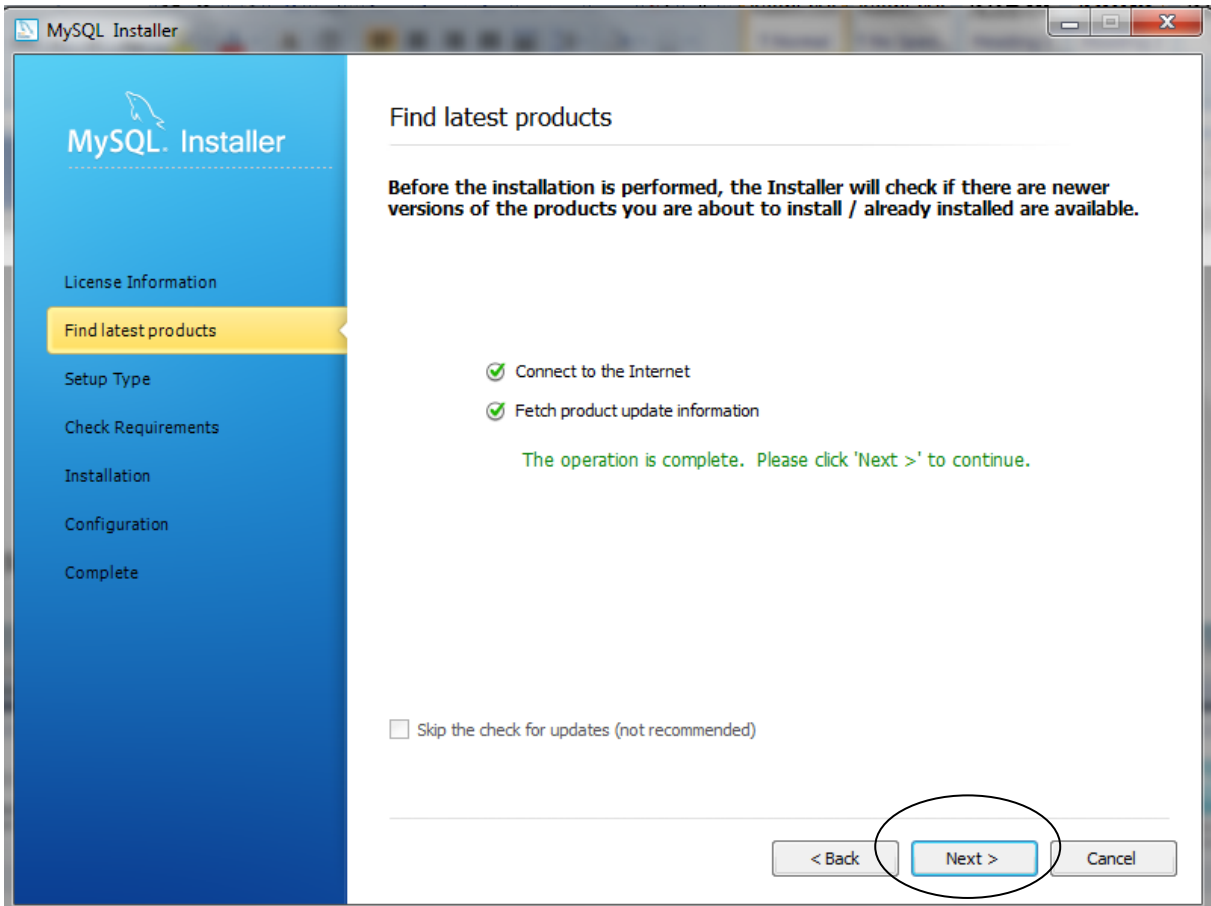
**Resources**  
 Get more information on how to install MySQL and configure it to run efficiently on your machine.

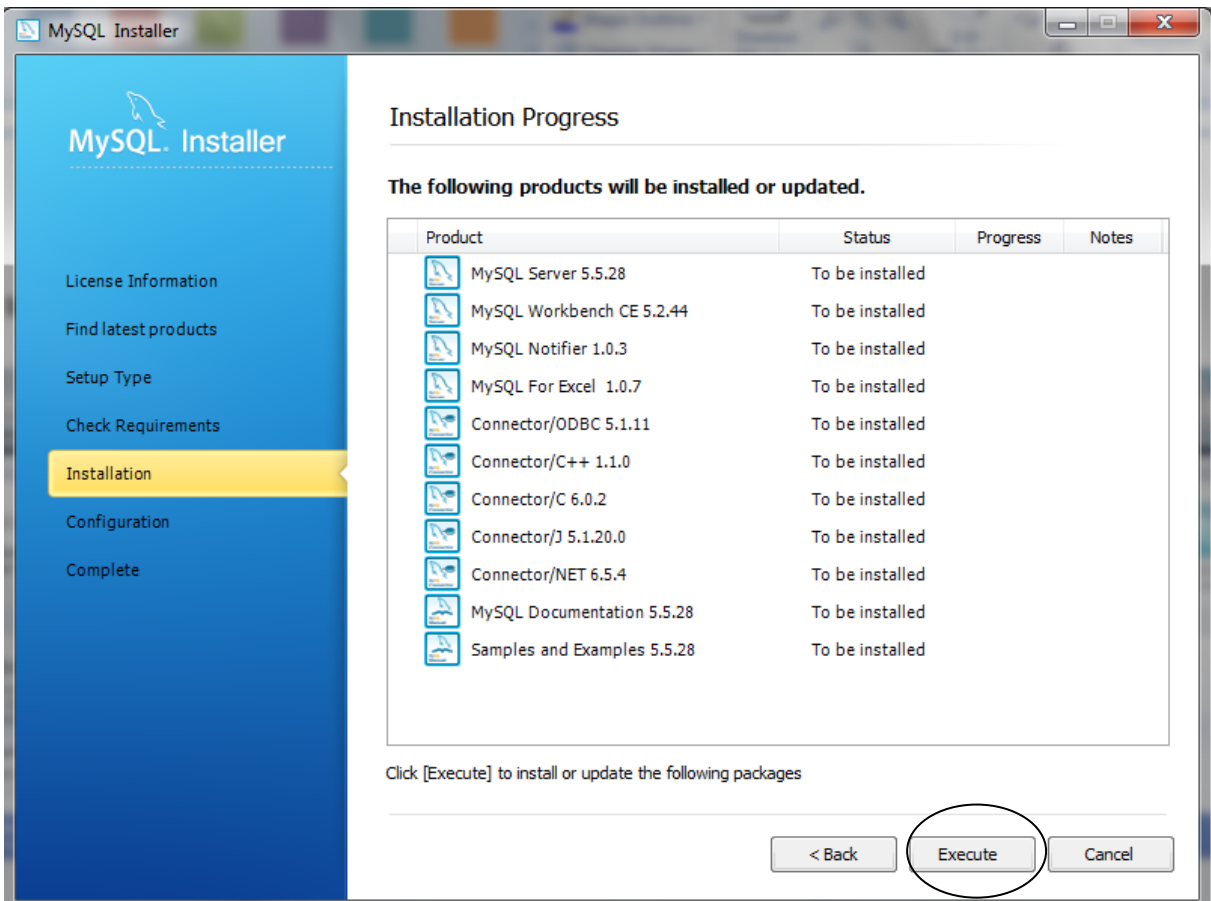
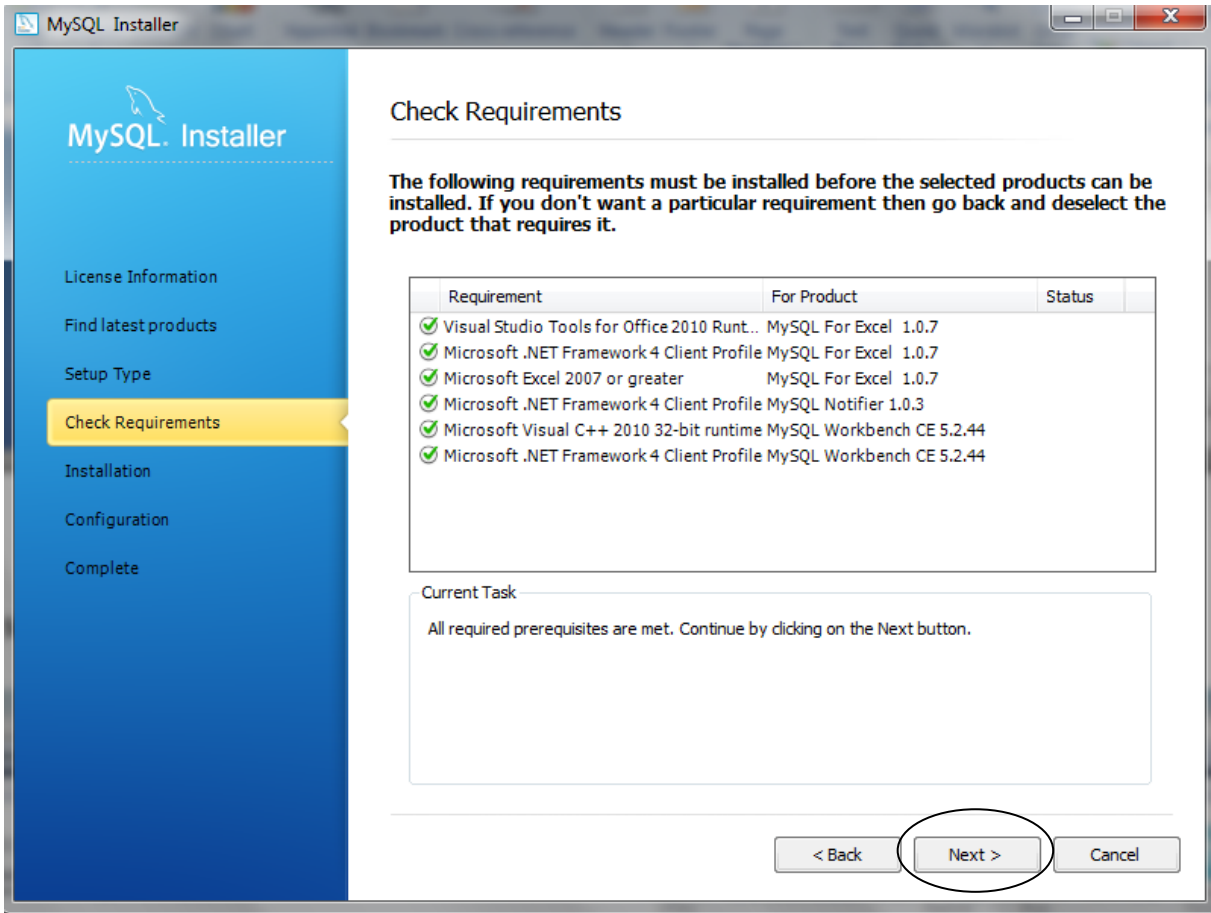
Click to install

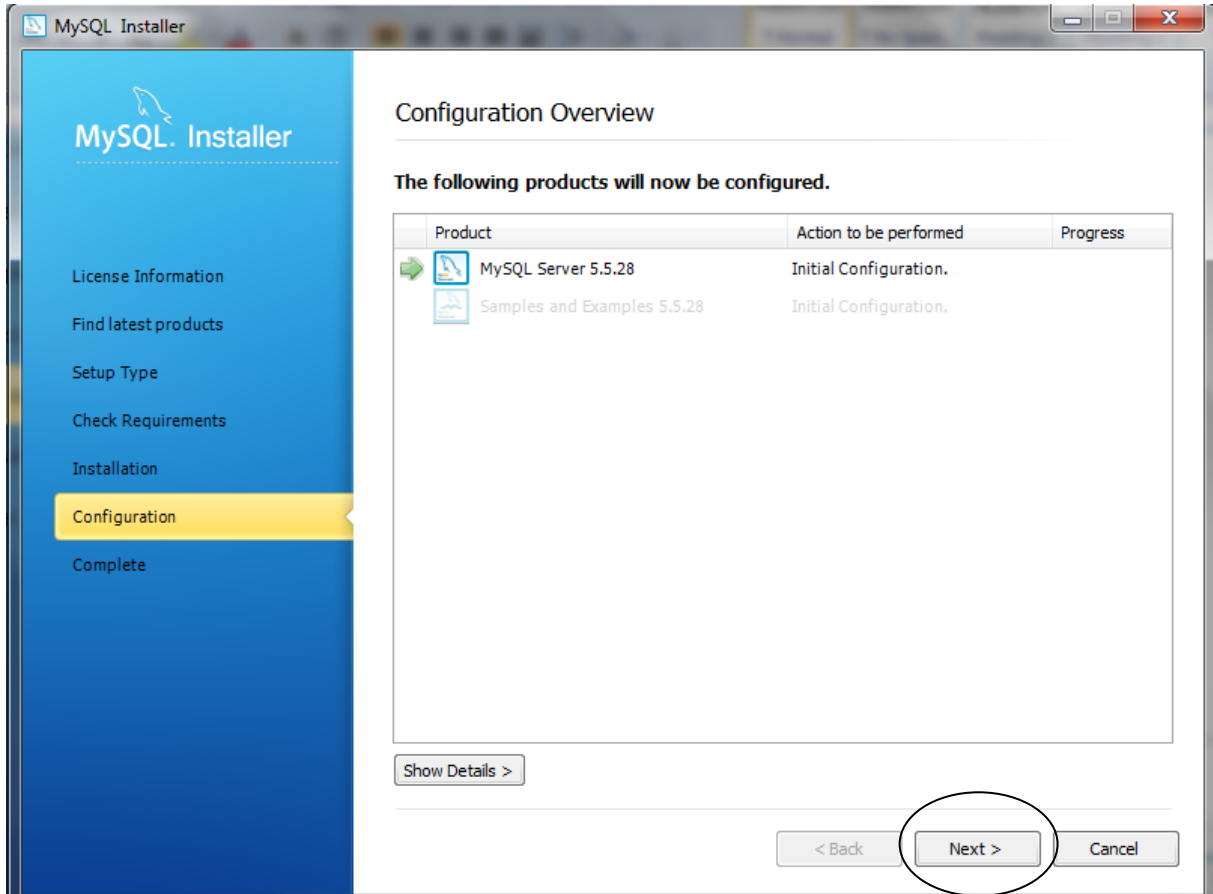
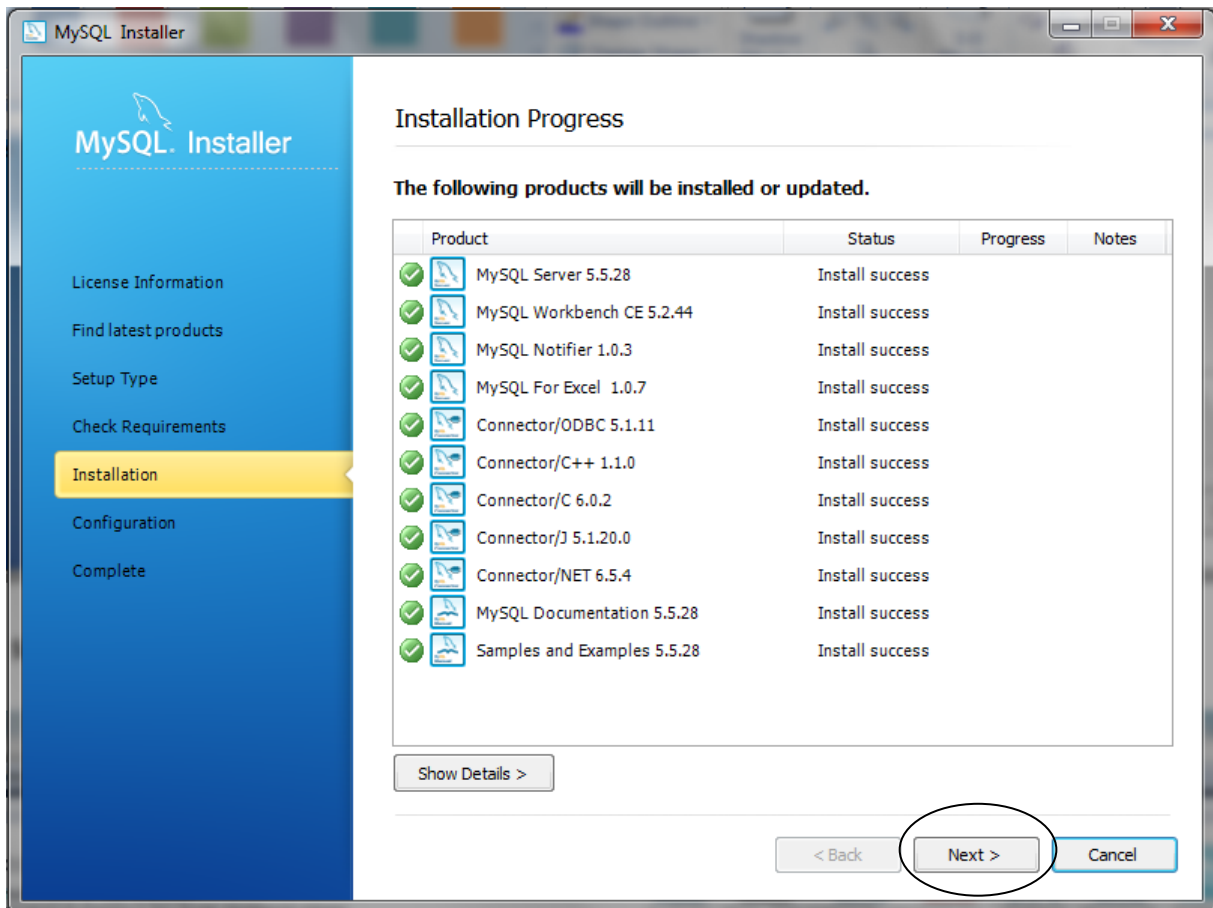
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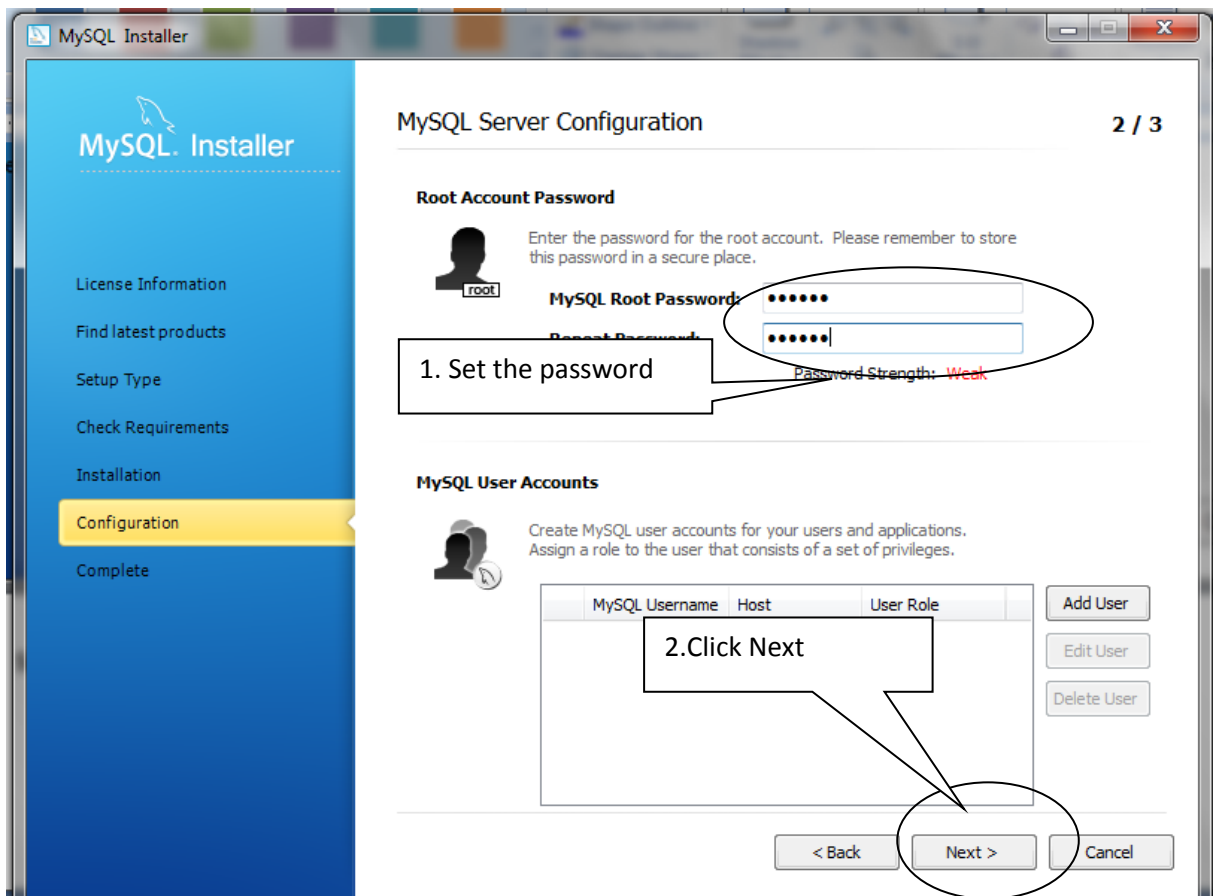
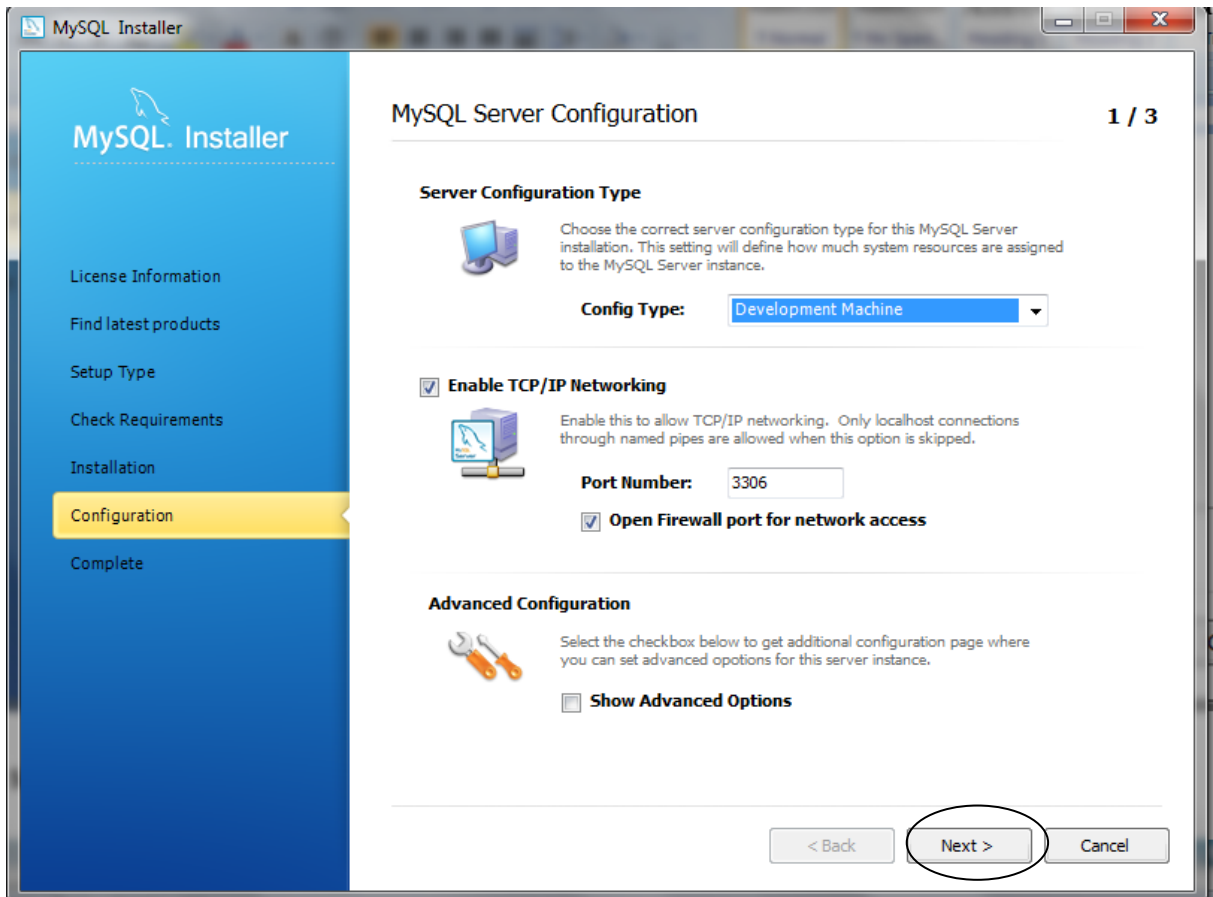
ORACLE



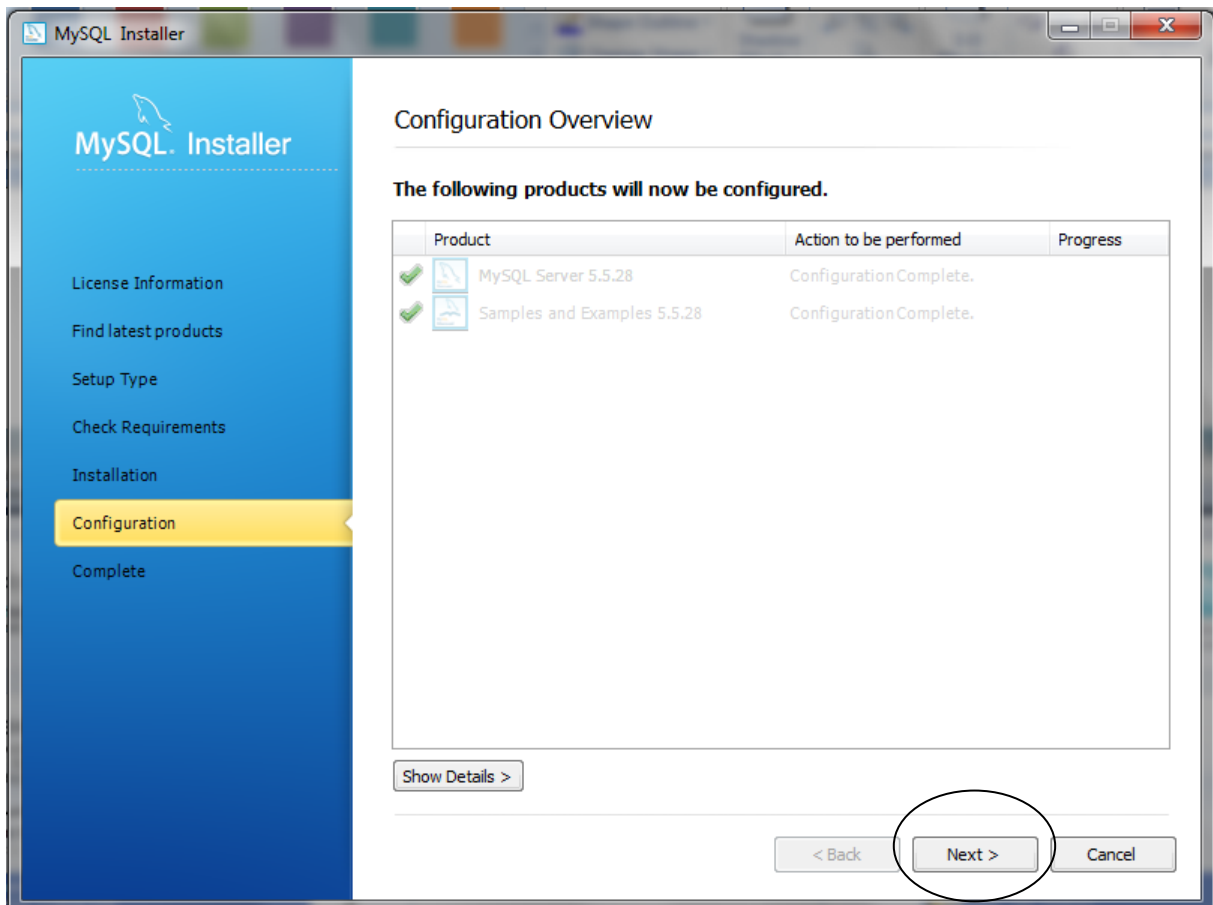
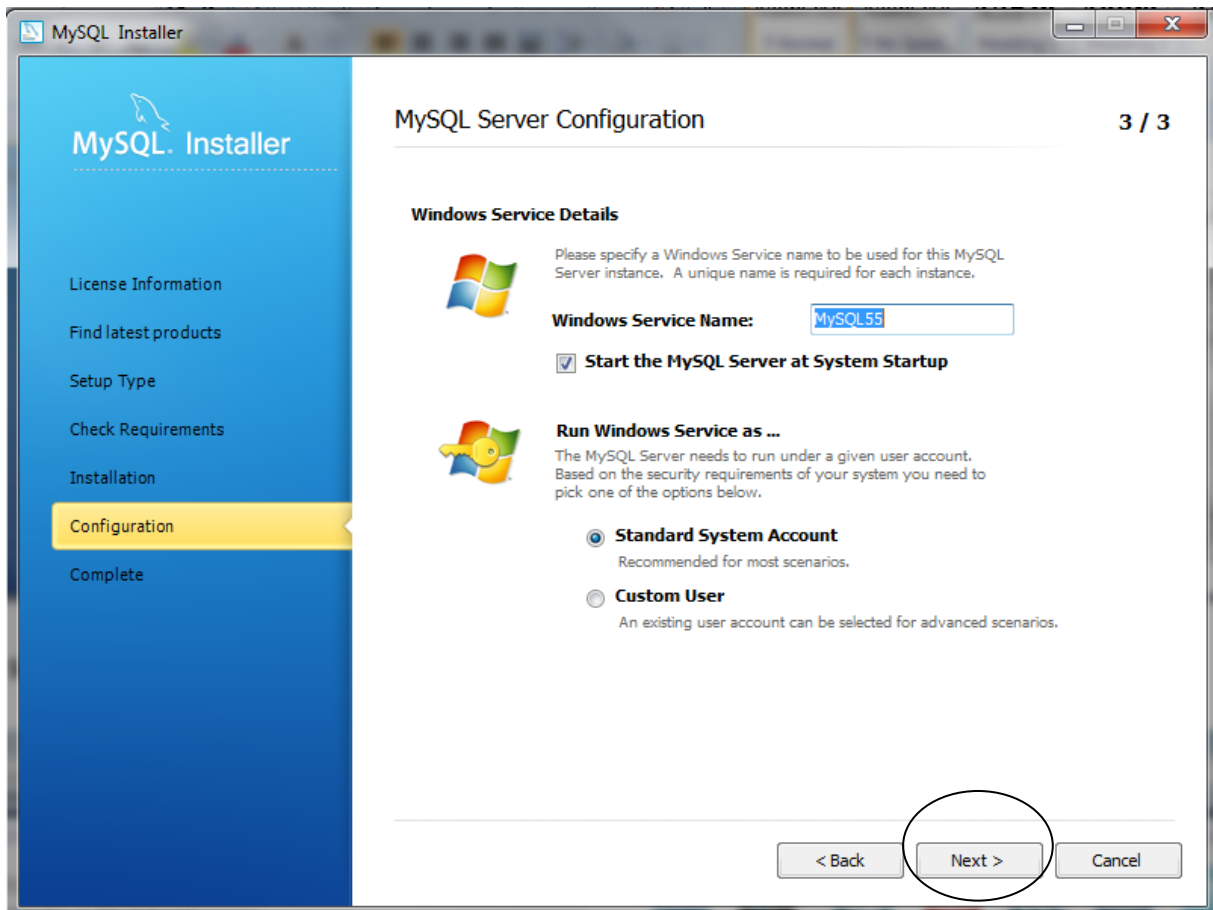


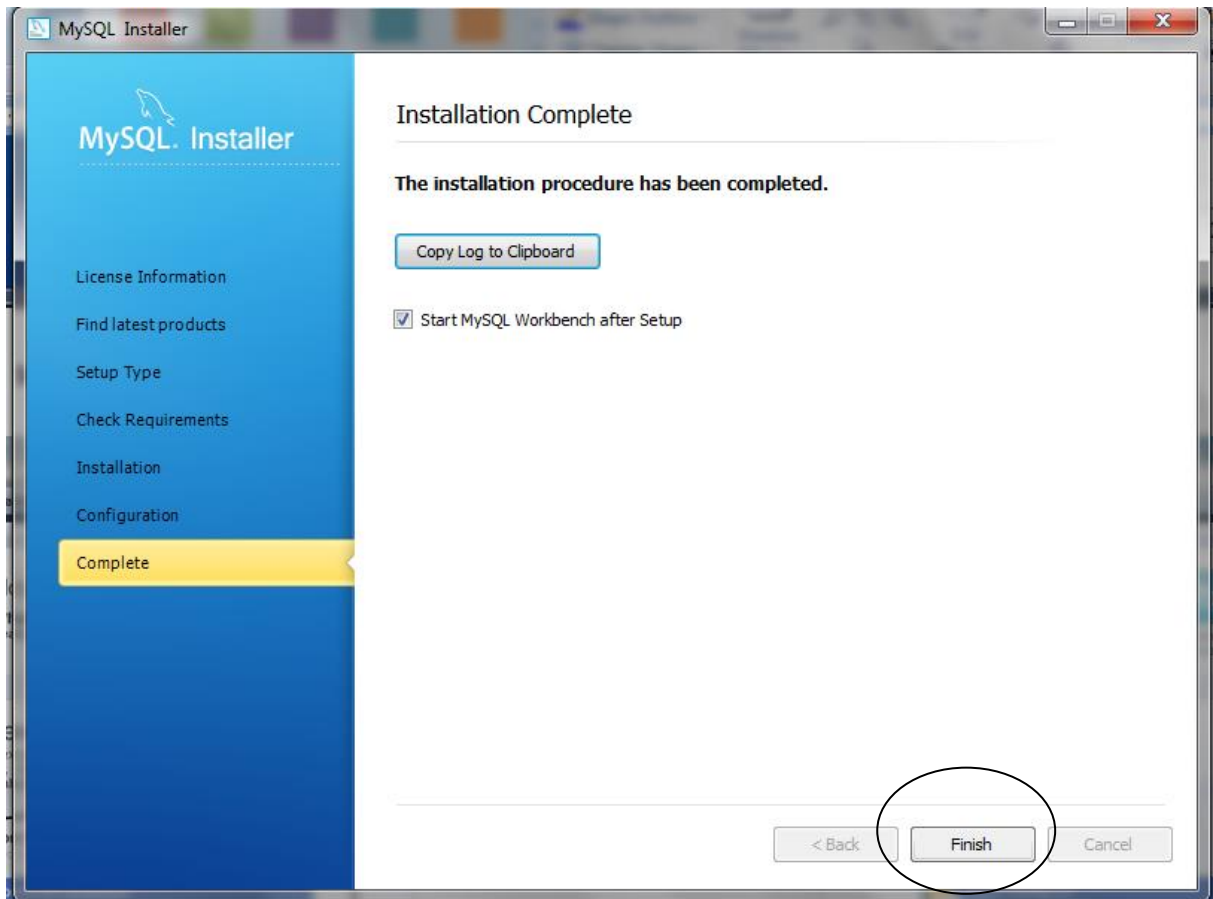




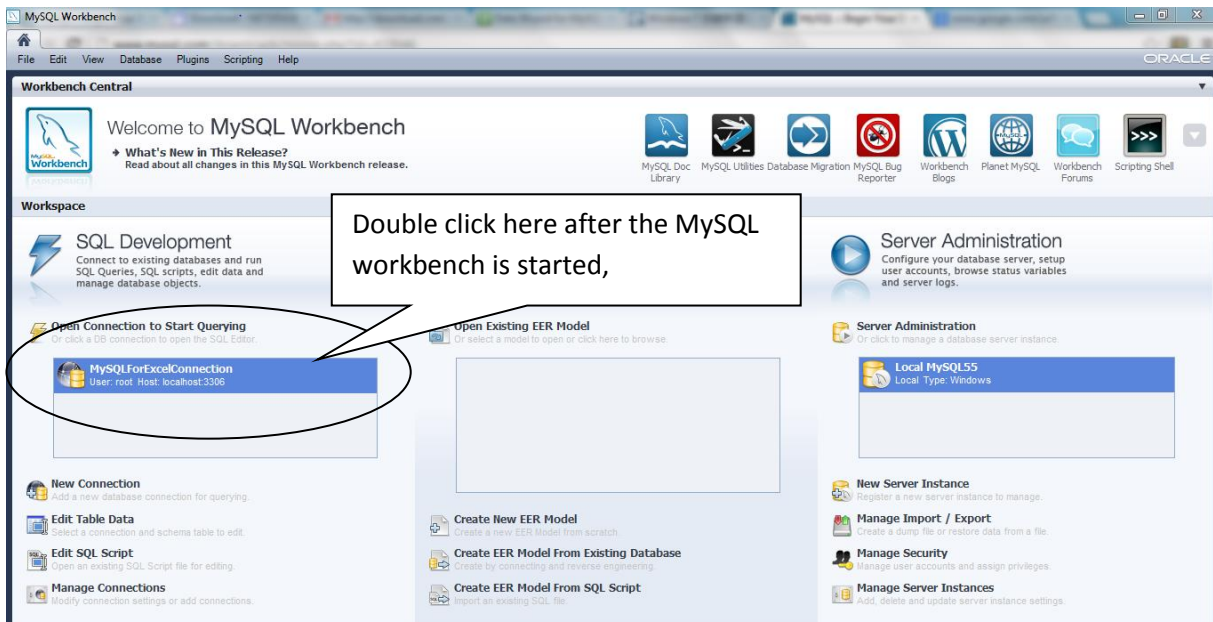


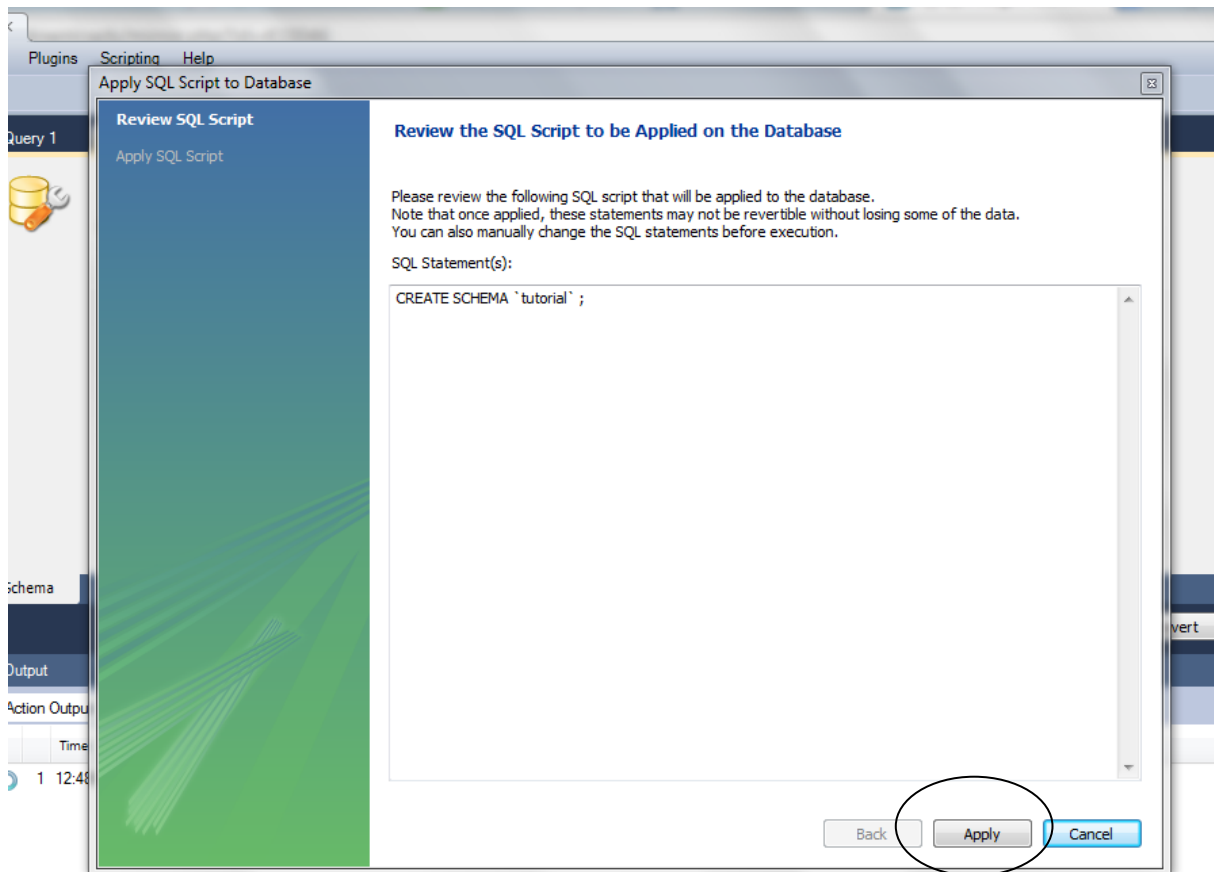
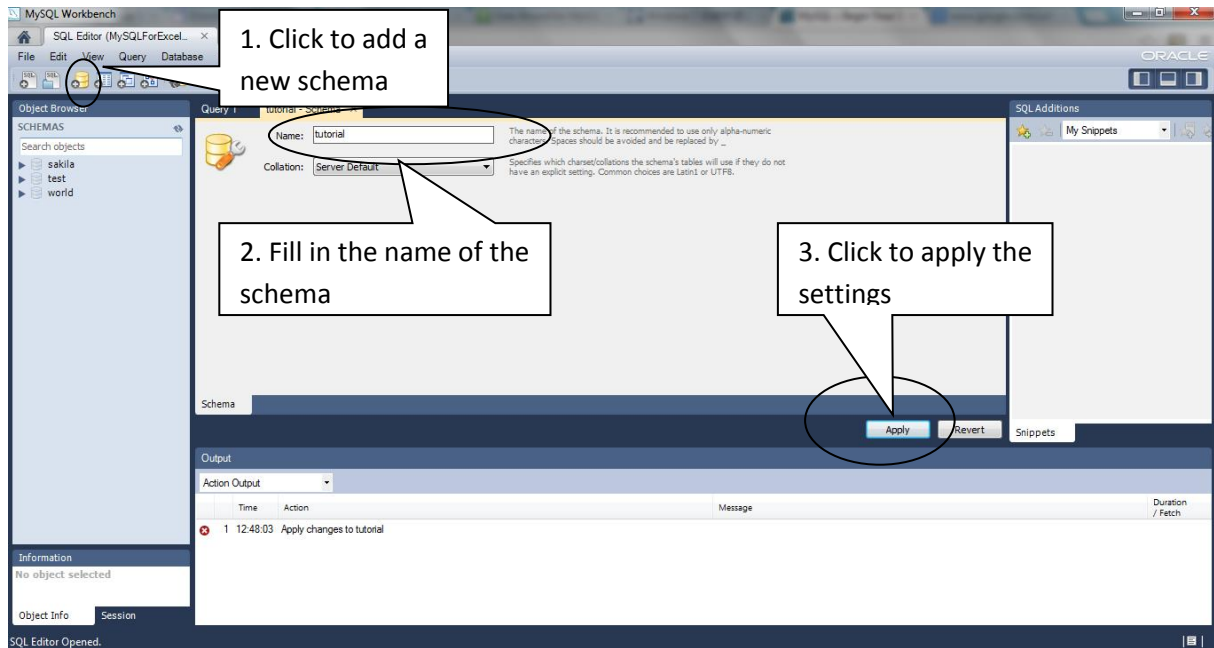






## 4. Create a schema named "tutorial"



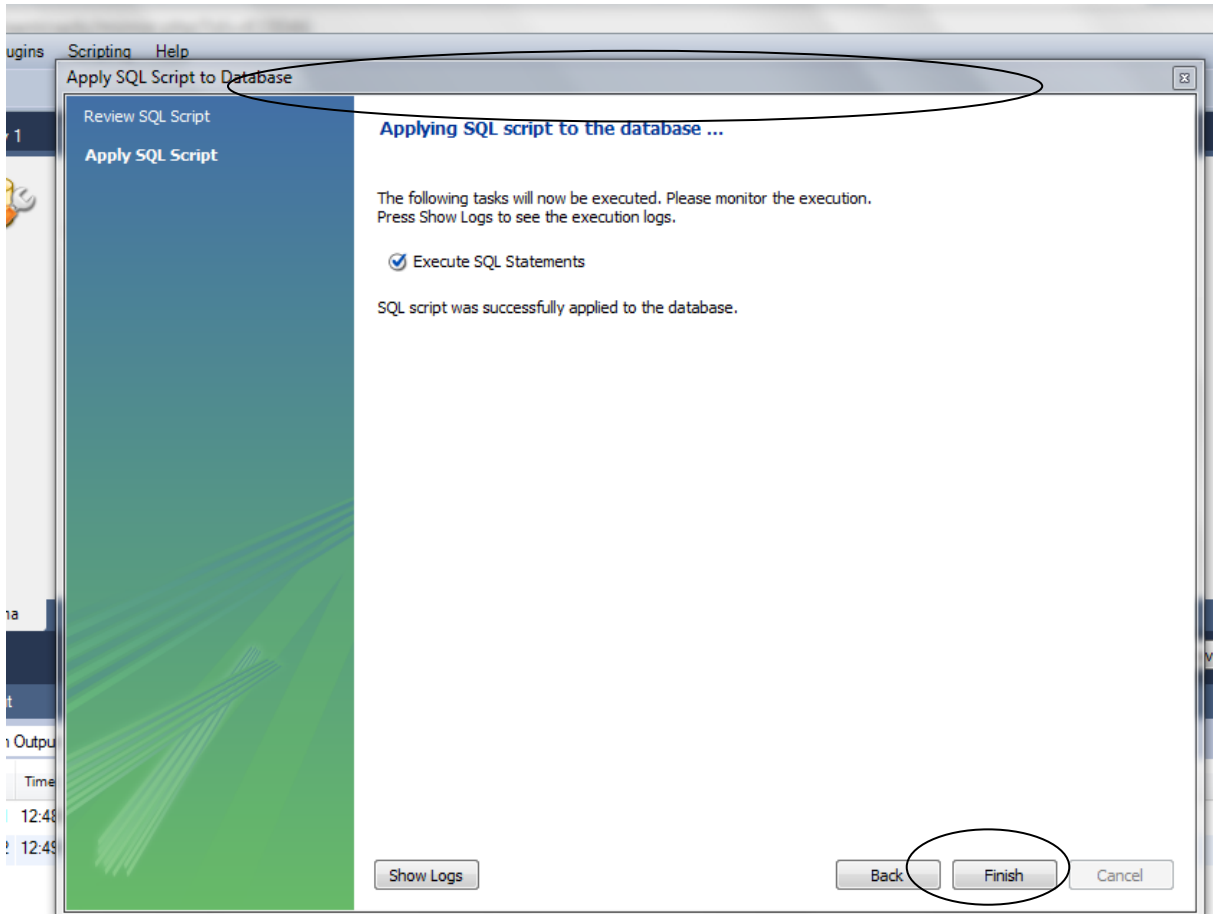
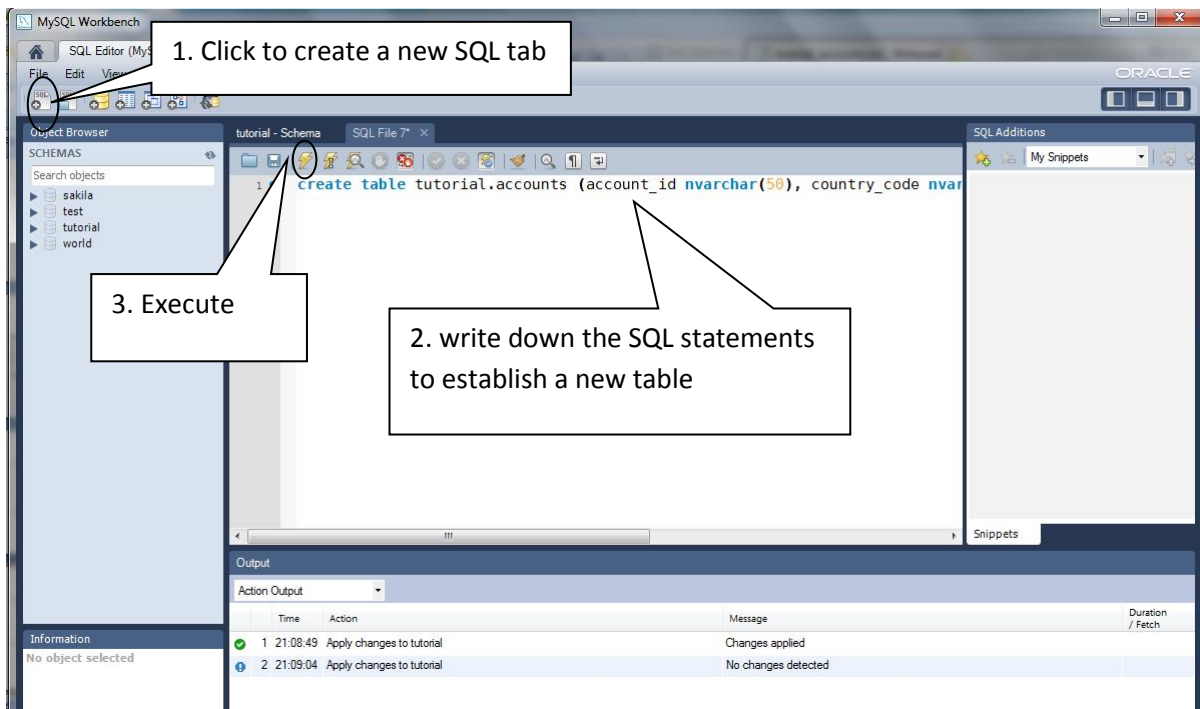


## 5. Create a table named "accounts"

Create a new SQL tab, and fill in the SQL tab with:

*create table tutorial.accounts (account\_id nvarchar(50), country\_code nvarchar(50), kudo\_rank nvarchar(50), name nvarchar(100))*

After execution, a new table named "accounts" will be established

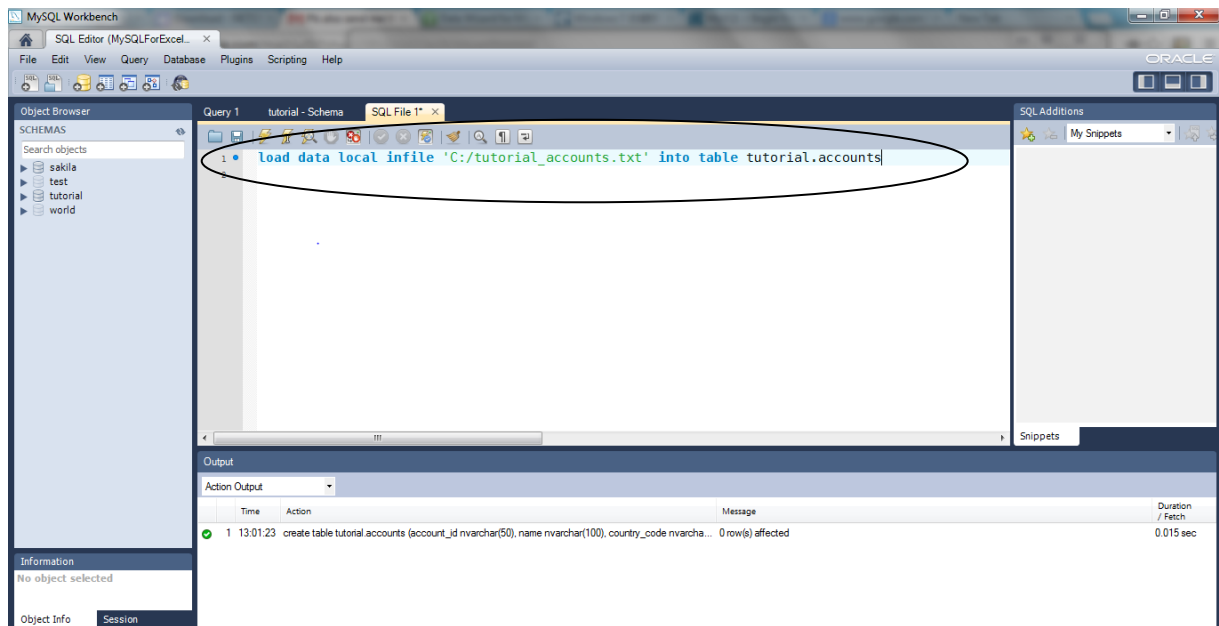


## 6. Load the data "accounts.txt" into the table of "accounts"

Create a new SQL tab, and fill in the SQL tab with:

*load data local infile 'C:/tutorial\_accounts.txt' into table tutorial.accounts*

After execution, the data in "accounts.txt" will be imported into the table of "accounts"

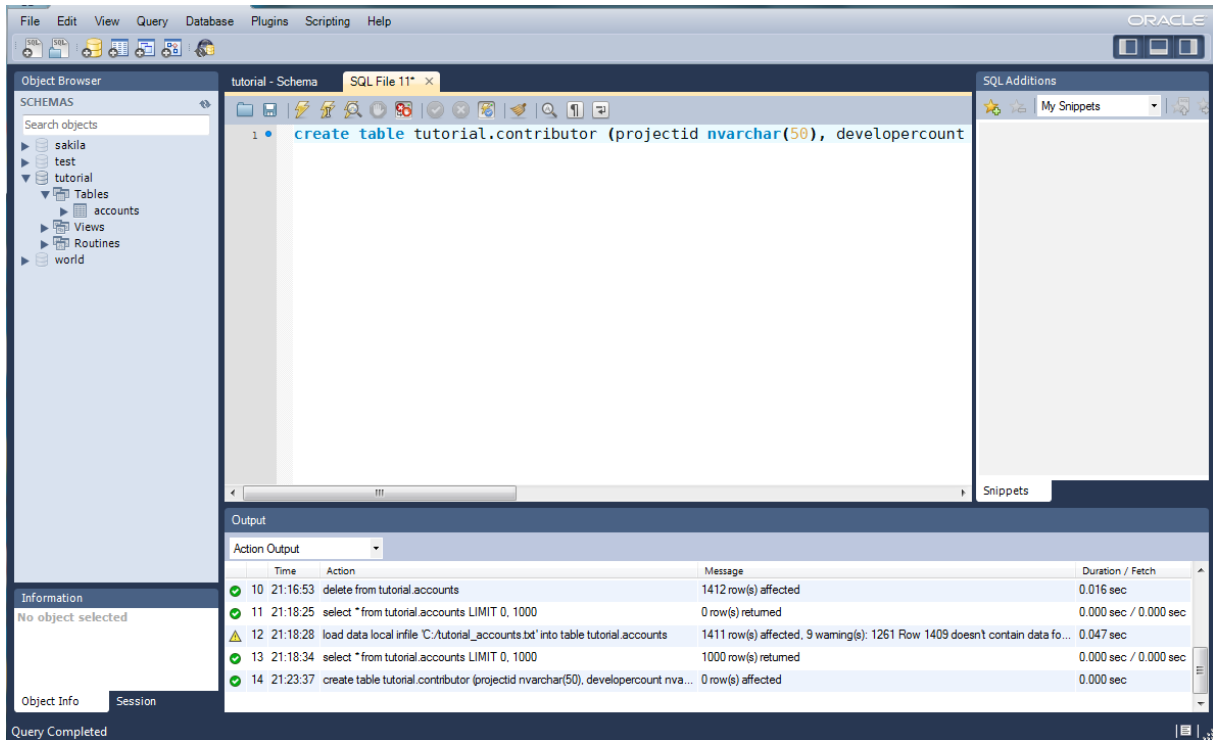


## 7. Create a table named "contributor"

Create a new SQL tab, and fill in the SQL tab with:

*create table tutorial.contributor (projectid nvarchar(50), developercount nvarchar(50), account\_id int, man\_months nvarchar(50), primary\_language\_id nvarchar(50), account\_name nvarchar(255))*

After execution, a new table named "contributor" will be established.

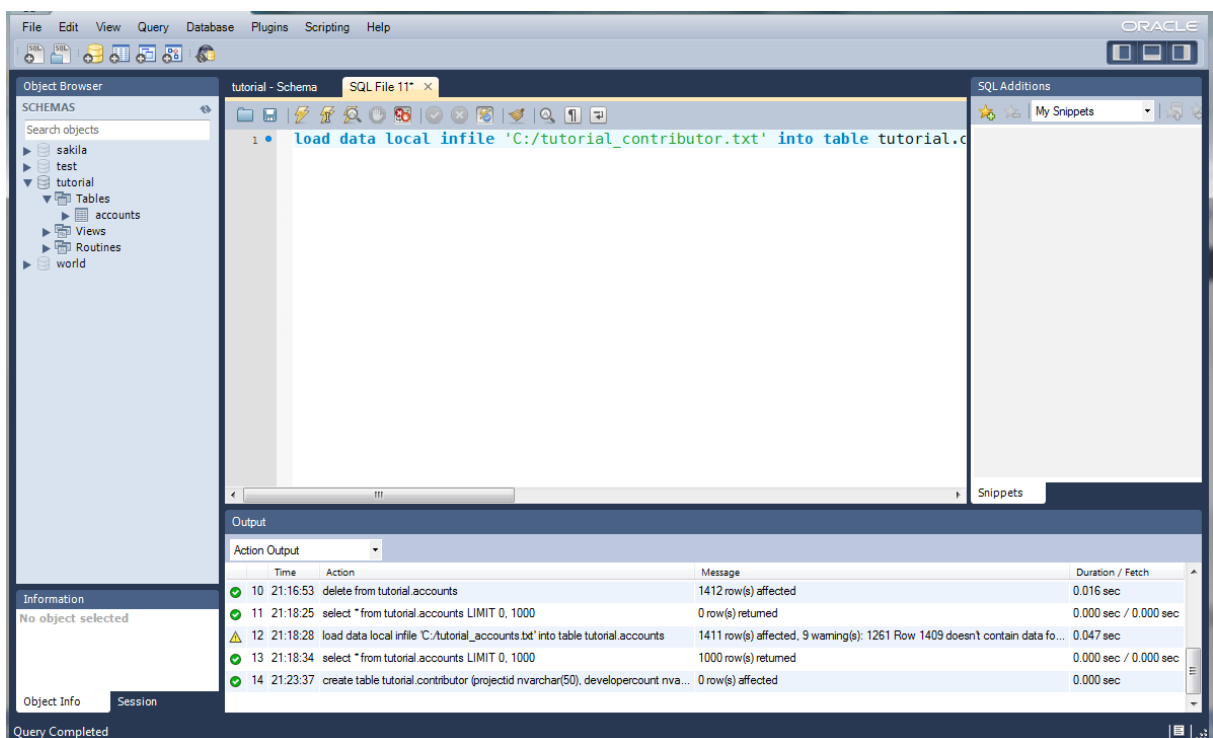


## 8. Load the data "tutorial\_contributor.txt" into the table of "contributor"

Create a new SQL tab, and fill in the SQL tab with:

*load data local infile 'C:/tutorial\_contributor.txt' into table tutorial.contributor*

After execution, the data in "tutorial\_contributor.txt" will be imported into the table of "contributor"

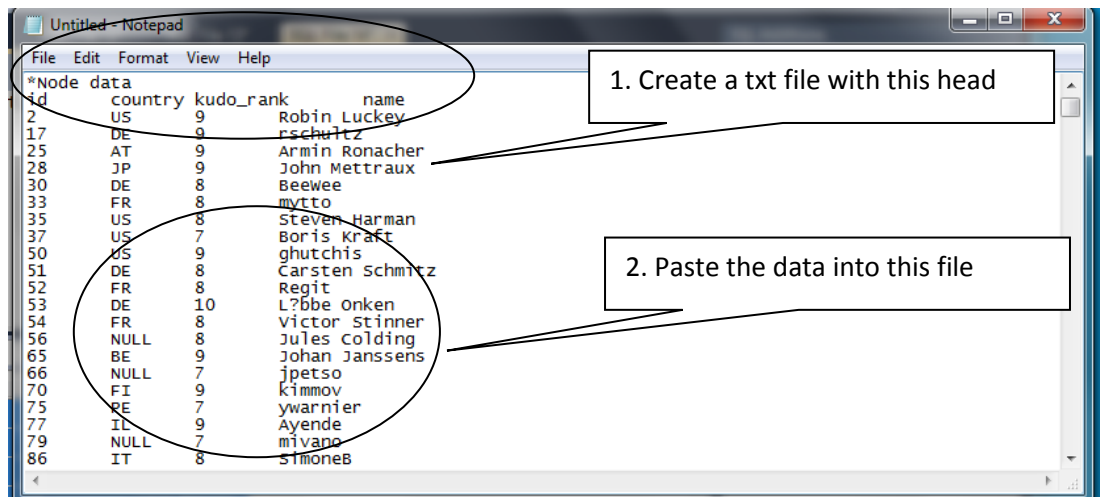
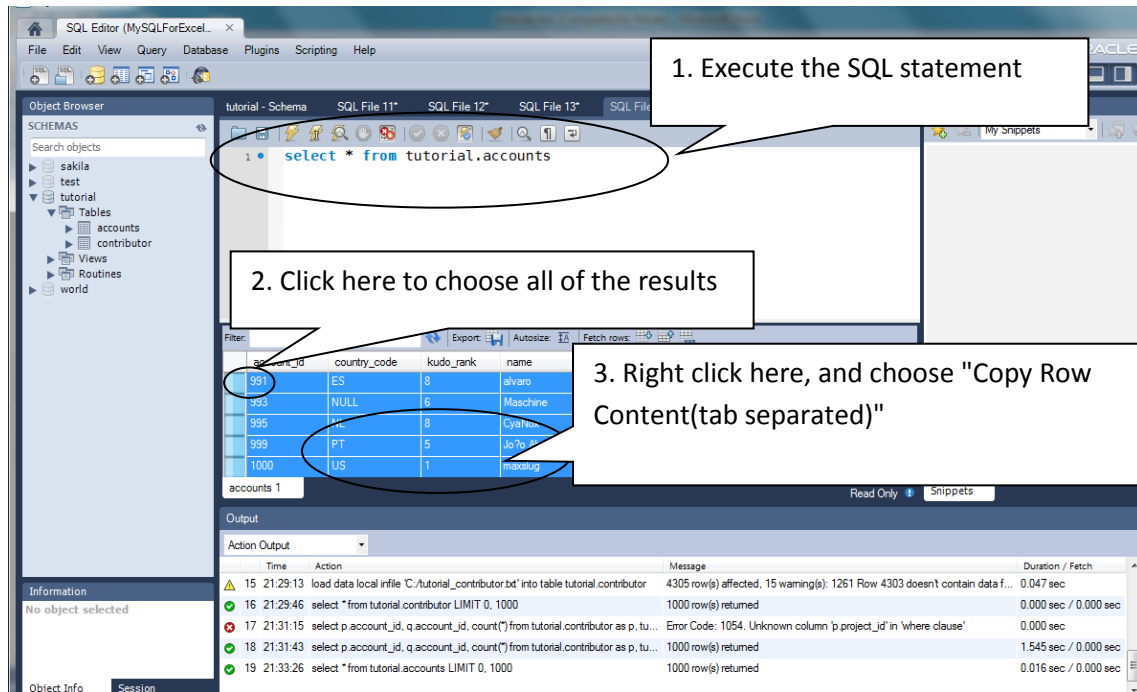


## 9. Generation of the Node Data

Execute the SQL statement:

```
select * from tutorial.accounts
```

Copy the result and paste it to a txt file for Node Data.



## 10. Generation of the Tie Data

Execute the SQL statement:

```
select p.account_id, q.account_id, count(*)
```

```
from tutorial.contributor as p, tutorial.contributor as q
```

```
where p.projectid = q.projectid And p.account_id < q.account_id
```

group by p.account\_id, q.account\_id

Copy the result and paste it to the txt file for Tie Data.

The screenshot shows the Oracle SQL Developer interface. The main window displays a SQL query in a text editor, which is circled in black. The query is as follows:

```
select p.account_id, q.account_id, count(*)  
from tutorial.contributor as p, tutorial.contributor as q  
where p.projectid = q.projectid And p.account_id < q.account_id  
group by p.account_id, q.account_id
```

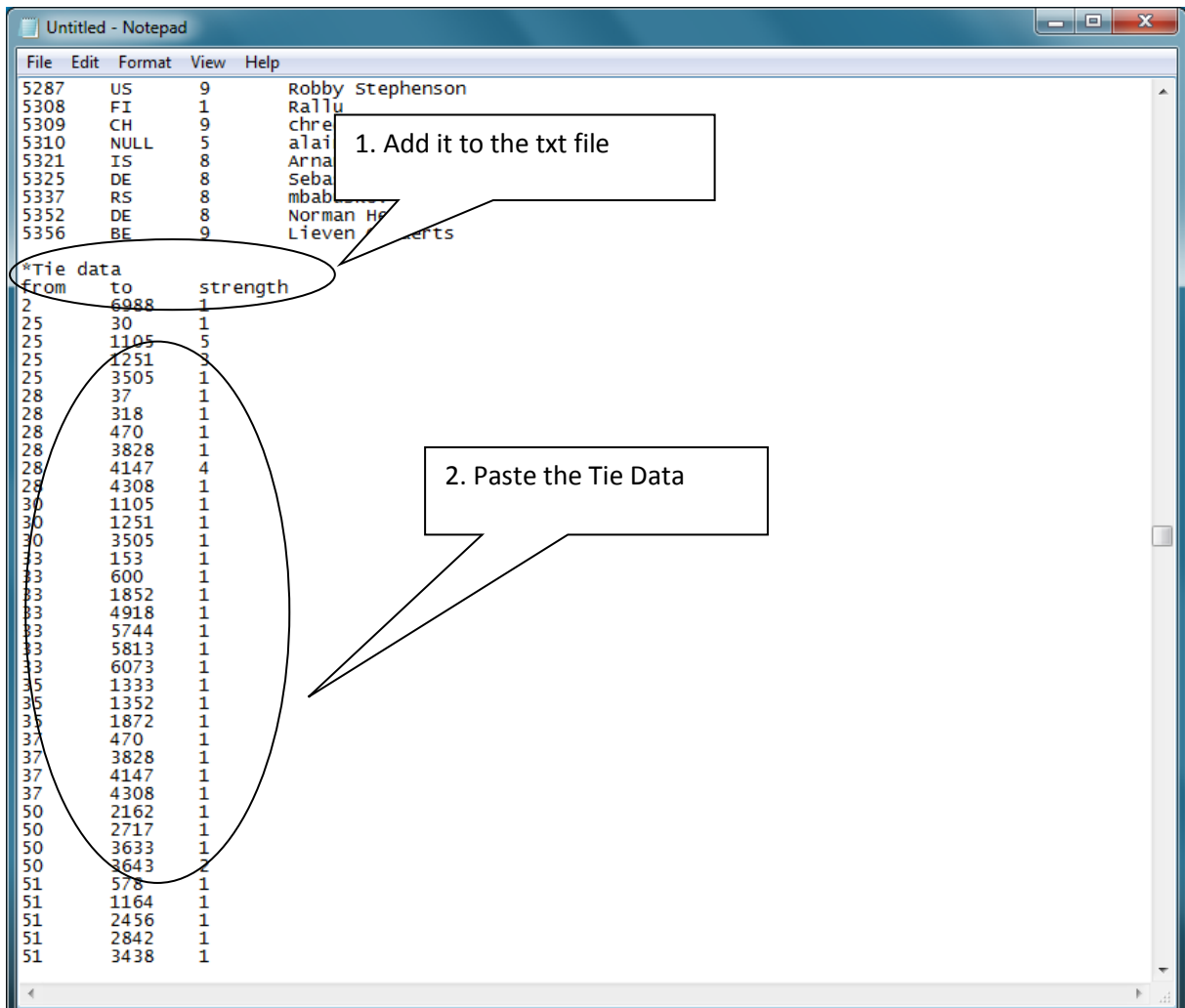
Below the query editor, the results of the query are displayed in a table, also circled in black. The table has three columns: account\_id, account\_id, and count(\*). The data rows are:

account_id	account_id	count(*)
2	6988	1
25	30	1
25	1105	5
25	1251	3
25	3505	1

At the bottom of the interface, the Output window shows the execution log. The log entries are:

Time	Action	Message	Duration / Fetch
16 21:29:46	select * from tutorial.contributor LIMIT 0, 1000	1000 row(s) returned	0.000 sec / 0.000 sec
17 21:31:15	select p.account_id, q.account_id, count(*) from tutorial.contributor as p, tu...	Error Code: 1054. Unknown column 'p.project_id' in 'where clause'	0.000 sec
18 21:31:43	select p.account_id, q.account_id, count(*) from tutorial.contributor as p, tu...	1000 row(s) returned	1.545 sec / 0.000 sec
19 21:33:26	select * from tutorial.accounts LIMIT 0, 1000	1000 row(s) returned	0.016 sec / 0.000 sec
20 22:24:47	select p.account_id, q.account_id, count(*) from tutorial.contributor as p, tu...	1000 row(s) returned	1.435 sec / 0.000 sec





**11. Save the file as tutorial.vna**