Guidelines for Installing SQL Server and Client (SQL Server Management Studio)

Installing process is pretty straightforward.

Any Express version would be ok with writing SQL part of the course, but Stored Procedure, table Function and Trigger, MS SQL SERVER Standard version or higher is recommended.

1. Download all the package together either 2014 or 2012 SQL Server (any edition is fine, not BI for this lab now, you can install it later)
   Make sure to install every components in the package - ODBC, Server, Clients, gateway,....
   Make sure that you install a server with a matching version of Visual Studio.

2. When installing a server, make sure to choose to
   1) Follow Window Authentication to login and
   2) the SQL server started automatically when your hosting system starts.

3. Check Control panel -> Computer management -> Service to see your SQL server is up and running, if not, start it manually there.

   If you don’t see SQL Server there in the service list, it means that you didn’t install the server in your system. Remove all by uninstalling program (NOT by you manually), then reinstall ALL the components in the package that the DreamSpark site provides.

For Those who want to install Enterprise Edition,
   Follow the steps to install MS SQL Server Enterprise Edition and Choose Window Authentication Mode and then Add Current User (add you as administrator in your system) in Server Configuration and Database Engine Configuration steps.

   Your window password should be strong (generally, more than 8 characters in a combination of Upper and lower cases of characters with numbers. Google it to find out a system specific restrictions for a strong PW for your system)

   Once everything is installed, then
   4. in Program -> 2012 or 2014 MS SQL Server, start MS SQL Server Management Studio which is an interface for both the sql server running on your host system and a client where you can type and execute SQL queries.

   If you need anything else, check MS site (or google it, you will find the site) for any info to install, everything is there.

   • It will work only when you are a part of an Administration group of the host system. If you install the server in your system and you choose the option that a server get your OS user id and password, by default, your SQL server put your user id into the Admin group. If you are not, try to add yourself into Admin group in the database server in the host system in Control panel -> (Computer) System Management -> User management.
For the Installation step for 2014 SQL Server step by step: You can find any related info here including Pre-requirement and all the components to install together.


https://www.youtube.com/watch?v=p3xcoLVNFho

For installation step for SQL Management Studio with 2014 SQL Server (Note that this is for an Express version), there is a video guide here.

https://www.youtube.com/watch?v=eGFdh_D0lYs

One issue could be coming from installing SQL Server in Window8. Check the site for info. Depending on which one(Window 8 or Window 8.1) you are setting up a SQL Server on

http://support.microsoft.com/kb/2681562

My suggestion for this issue is choose Window 7 to install to stay away from this kind of issue until they announce a complete solution for the issue. If that is not an option for you, then it is probably worth trying their most recent Service Pack for window 8 provided by their site to see it resolves the issue.

Note that apart from the issue with Window 8, even on window 7, you have to match a version of Visual Studio and a version of SQL Server to install. Either 2012 VS with 2012 SQL Server or 2013 VS with 2014 server. They added a lot of new features and changed some design in each 2012 and 2014, so some of them are not compatible to install together. Any SP (Patch work) wouldn't resolve this issue.

Tips for Errors from Running and Connecting to SQL Server after Installation

1. First, Check it out in Control Panel -> Administrative Tool -> Service to see your SQL Server started. If not, start it manually there.
2. Your server is running but you can’t connect to the server, then it is more likely a problem from access control with your user id and pw. Somehow the server can not recognize your id and pw (Assuming that the internet connection on your laptop is good). Make sure that you install it with the option to pick up your user id and pw from your Window OS.
3. If you didn’t choose that option when installing or you are not sure then go to Control Panel -> Administrative Tool -> Service then Right Click on your SQL Server then click on Properties -> General or Log On option, then you can change the starting option there as below.
4. Choose Log On menu to change your user id and pw.
5. See Help there or search Online documentation for further detail.
Right Click on SQL SERVER then Click on Properties to get to the following windows:
SQL Server (MSSQLSERVER) Properties (Local Computer)

Service name: MSSQLSERVER
Display name: SQL Server (MSSQLSERVER)
Description: Provides storage, processing and controlled access of data, and rapid transaction processing.
Path to executable: "C:\Program Files\Microsoft SQL Server\MSSQL12.MSSQLSERVER\MSSQLSERVER\MSSQL\BIN\MSSQLServer.exe"
Startup type: Automatic

Service status: Started

You can specify the start parameters that apply when you start the service from here:
Start parameters: 

Options:
- Start
- Stop
- Pause
- Resume
- OK
- Cancel
- Apply