

## DWDM Lab by Usman Shehzaib

### Lab Task Week # 1. Setting up the Environment

In this Week you will perform different installations. For ease of understanding I have divided these into four major steps and detailed steps are as follows.

#### Visual Studio Installation

1. Download Visual Studio and install Community edition. First make sure your system meets specifications.

**Reference Video** <https://youtu.be/ZA7n8p39-Lk?list=PLmI2T6kp9U1e1-uzPfz6wHq1jee7oK51L>

#### SSMS & SQL server 2019 Installation

2. Download and install SSMS (SQL Server Management Studio) preferably on Windows 10. SSMS is used for managing servers.
3. Next download and install SQL server 2019 Developer Edition. Perform basic installation
4. Open SSMS connect the default server using Windows authentication.

**Reference Video** <https://www.youtube.com/watch?v=vpEmaytQDYQ&list=PLmI2T6kp9U1e1-uzPfz6wHq1jee7oK51L&index=15>

#### Analysis Services Extension Installation

5. Open Visual studio continue without code. Click on Extensions then manage extensions
6. Click online and search analysis. Here you will find Microsoft analysis services project. Select and install it.
7. Restart Visual Studio. Now in VS create a new Project, Choose analysis services project.

**Reference Video** <https://www.youtube.com/watch?v=iYqlqwNDcno&list=PLmI2T6kp9U1e1-uzPfz6wHq1jee7oK51L&index=14>

#### Downloading and restoring AdventureWorks DW backup file

8. Start SSMS and SQL server. Also create an analysis services project in visual studio
9. Now we need to Download and install AdventureWorks Data Warehouse backup file.
10. Go to SQL server and right click then click Restore. Now you will restore this backup file in databases of SQL server.
11. Select Device click dropdown then click Add file. You will see a location address at top copy this address and open in a new window.
12. Now paste AdventureWorks file at this location.
13. On successful installation you will see this in databases list.
14. Now use this Data warehouse as a data source in Visual Studio.

**Reference Video** <https://www.youtube.com/watch?v=hQ2y6pB1OU8&list=PLmI2T6kp9U1e1-uzPfz6wHq1jee7oK51L&index=13>