**Tech Challenge #6**

**MySQL Server Installation**

1. Attach 5 new disks to TUA12345-SQL1
   1. Disks should be default name and type with size 100 GiB
2. Restart server after these changes
3. Login to TUA12345-SQL1
4. Create a RAID volume out of the 3 disk drives that were added
   1. Initialize the 4 new disks using the MBR partition style
   2. Select one of the volumes, right click, and choose “New RAID-5 volume”
   3. Add the remaining two disks and continue
   4. Assign this the drive letter “M”
   5. Format this volume as NTFS and accept the default size unit and label it “RAID-5”
   6. The system will convert these to “Dynamic Disks” to continue
5. Create a mirrored pair out of the last two drives with a driver letter of “N” and volume label of “MIRROR”. Go to This PC and provide a screenshot of the M and N drives:
6. Turn off Enhanced Security Configuration for Administrators in Internet Explorer
7. Download the prerequisite software found at: <http://dev.mysql.com/resources/wb62_prerequisites.html>
   1. Download and install vcredist\_x64.exe
8. Download the MySQL installer found at: <http://dev.mysql.com/downloads/installer>
   1. Setup type is “Developer Default”
   2. Ignore the warning and error messages
   3. Set the Root Account password to “sesame”.
9. Update the MySQL57 service so that it runs under the “Local System account” and start the service. Provide a screenshot of the services module showing the MySQL57 service:

mysql

1. Move the MySQL data directory to the RAID-5 volume you just created
2. Enable binary logs and store the binary logs to the mirrored volume you just created
3. Update the MySQLservers so that it runs under the “Local System account” and start the service.
4. Start MySQL Workbench and display the location of the data files by executing the SQL command “show variables like 'datadir';”. Create a screen shot of the output and paste the screen shot here:
5. Go to Options File…Logging on the MySQL Workbench. Scroll down to show the value of log-bin. Take a screen shot of this and past the screen shot here:
6. Download the files used to create and populate the databases and tables posted to the course website. Run this script to create and populate these databases. Run a SQL query to display a list of vendors. Paste a screen shot of this information here:
7. Display the files that are on the volume that contain your binary logs by going to “Start…Computer” and selecting this volume. Paste a legible screen shot of this information here:
8. This concludes Tech Challenge #6