**1. Set Up and Create a Git Repository**

**To set up Git and create a Git Repository**

1. Download Git from the official site and configure it
2. Generate files, initialize .git directory, and commit the files

This guide four has subsections, namely:

* + 1. Downloading Git from the official site for your operating system
    2. Configuring Git in your system
    3. Generating files and initializing the .git directory
    4. Executing the basic commands

**Step 1.1.1:** Downloading Git from the official site for your operating system.

Git is already installed in your practice lab. (Refer QA to QE: Lab Guide - Phase 1)

Open your Chrome browser and navigate to <https://git-scm.com/downloads> page of Git. Click on the Download <Version\_Number> for Windows button available on the right side of the screen as shown in the screenshot below:

**Step 1.1.2:** Configuring Git in your system.

1. Locate the downloaded git.exe file
2. [right-click] on the executable git file and select Run as administrator
3. Once you accept the installation request, you will be directed to the Information window. Click on [Next >] button.
4. Do not make any changes and click on [Next >] button.
5. You will be prompted to select the default editor used by Git. Select Use Vim (the ubiquitous text editor) as Git’s default editor and click on [Next >] button.
6. You will be prompted to select how to use Git. Select Git from the command line and also from third-party software and click on [Next >] button.
7. You will be prompted to select the HTTPS transport backend. Select Use the OpenSSL library and click on [Next >] button.
8. You will be prompted to select a style to treat the line endings in text files. Read the options and select one per your preference. Click on [Next >] button.
9. You will be prompted to select the terminal emulator. Read the options and select as per your preference. Click on [Next >] button.
10. You will be prompted to choose the features to enable. Do not make any changes and click on [Install] button.

**Step 1.1.3:** Generating files and initializing the .git directory.

1. Create a folder on your desktop and open it.
2. Create the files: hello.js, index.html, and helloWorld.java.
3. Open the Git terminal and navigate to the folder you have created.
4. Execute the following command to initialize the .git repository:

git init

**Step 1.1.4:** Executing the basic commands.

* Add all the files to your git repository using the following command:

*git add*

* Commit the changes using the following command:

*git commit -m*