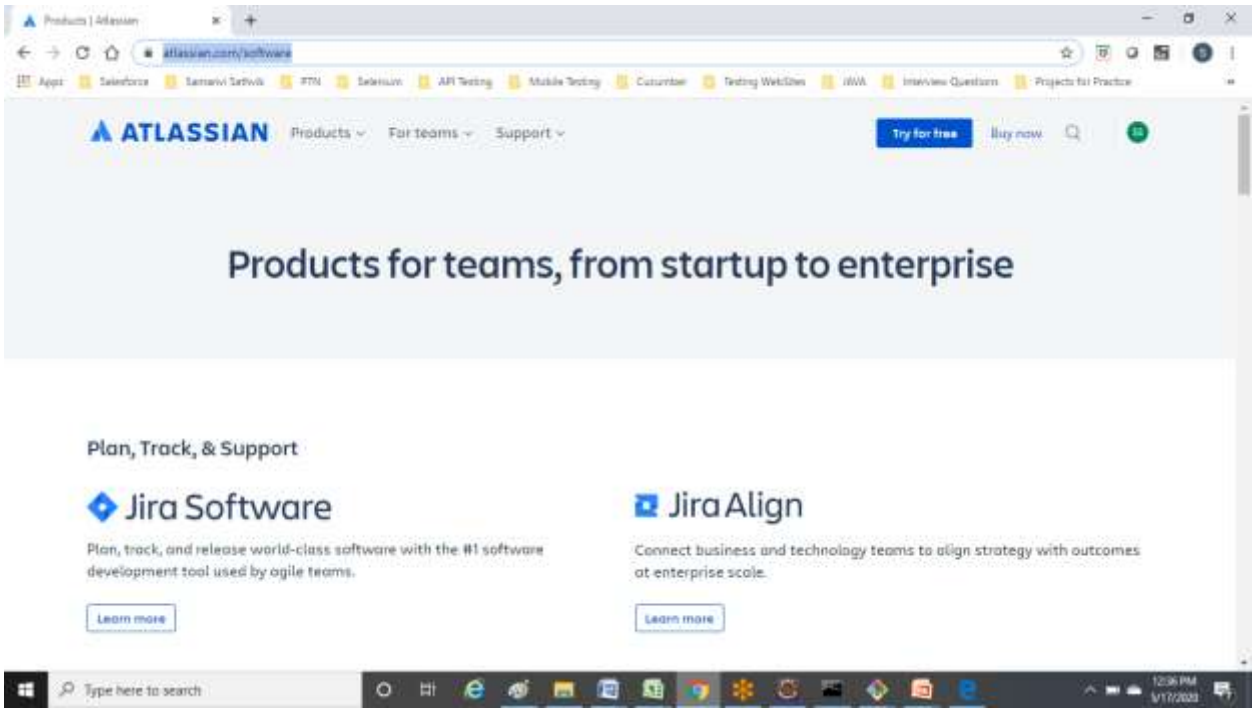
1. **Bitbucket:**

Go to

https://www.atlassian.com/software

(OR)

https://www.atlassian.com/software/bitbucket

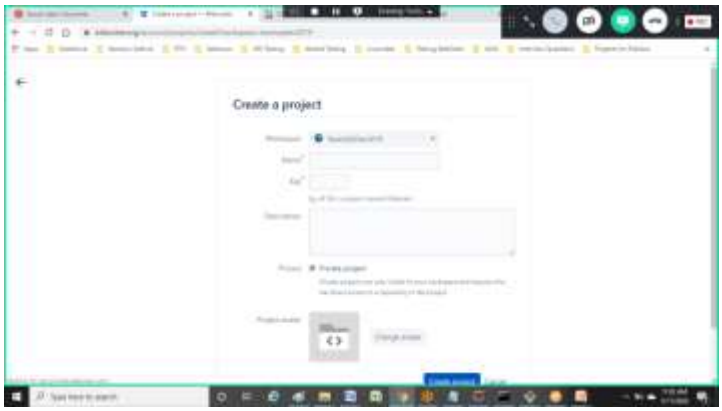


Click on “Try for free” button and register.

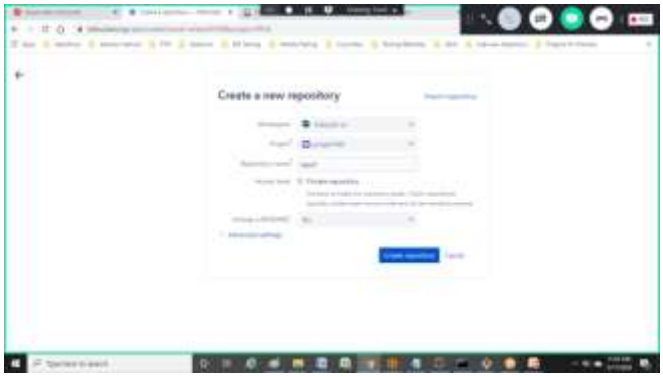
After you register go to,

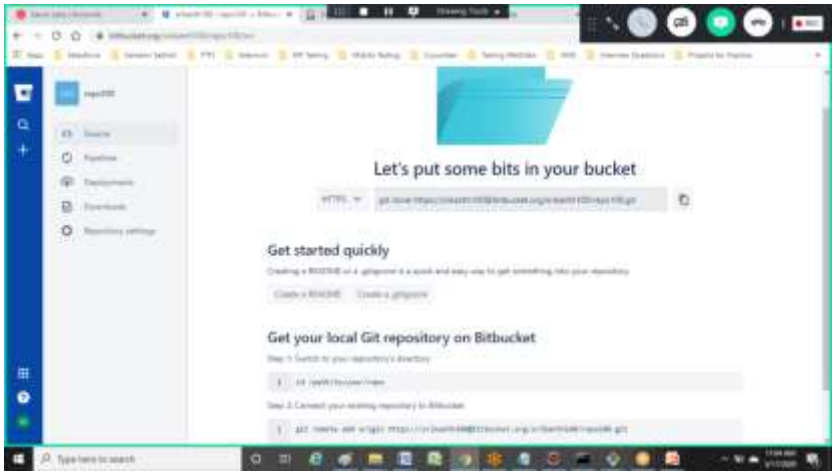
https://bitbucket.org/dashboard/overview

Create a Project



Create Repository.





Example Repos:

git clone https://srikanth100@bitbucket.org/teamqadec2019/repo1.git

https://srikanth100@bitbucket.org/srikanth100/repo1.git

https://bitbucket.org/teamqadec2019/repo2/src/master/

git clone https://srikanth100@bitbucket.org/teamqadec2019/repo2.git

GIT

Git is the most widely used modern version control system in the world today for tracking changes in any set of files. Git is an open source project. It is aimed at speed, data integrity, and support for distributed, non-linear workflows. It allows you to commit your work locally and then sync your copy of the repository with the copy on the server.

Git Installation:

Now let us start by installing "Git Binaries".

Step 1) Launch the Browser and navigate to URL- https://git-scm.com/

https://git-scm.com/downloads

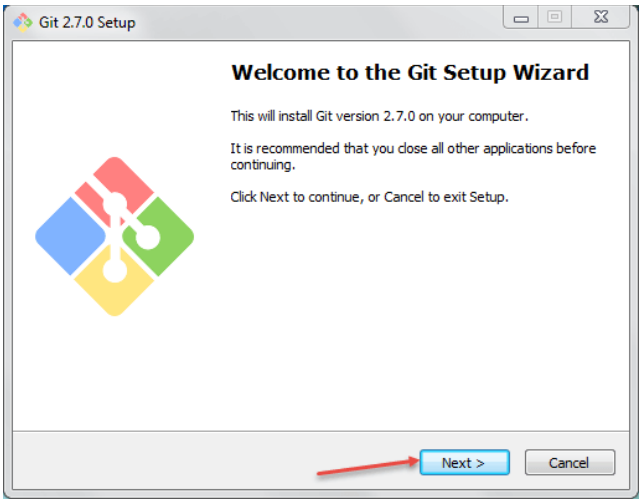
Step 2) Download the latest stable release.

Step 3) Click on downloads for windows once the file is downloaded we can begin with our installation.

Step 4) Go to the download location or icon and run the installer.

Step 5) Click through welcome and General Public license.

Step 6) Click on "next" button in git setup wizard

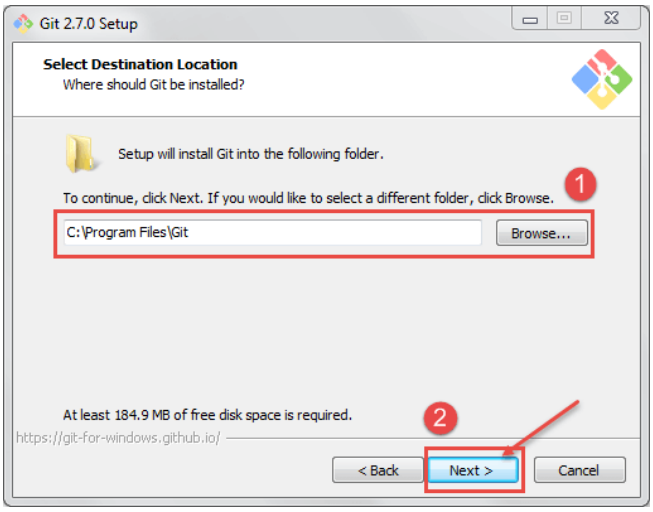


Step 7) Read the GNU General Public License and click on next

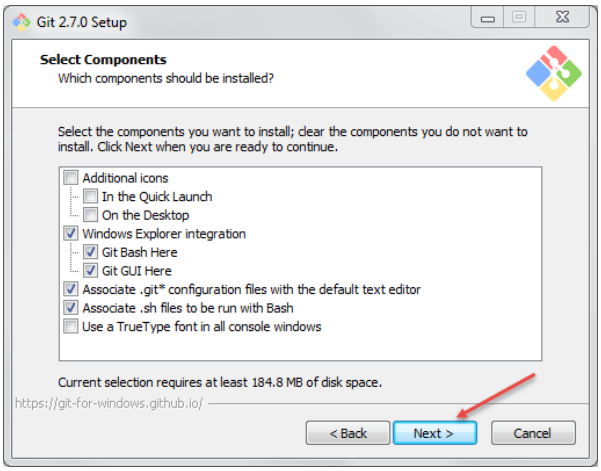
Another window will pop up,

Step 8) In this step,

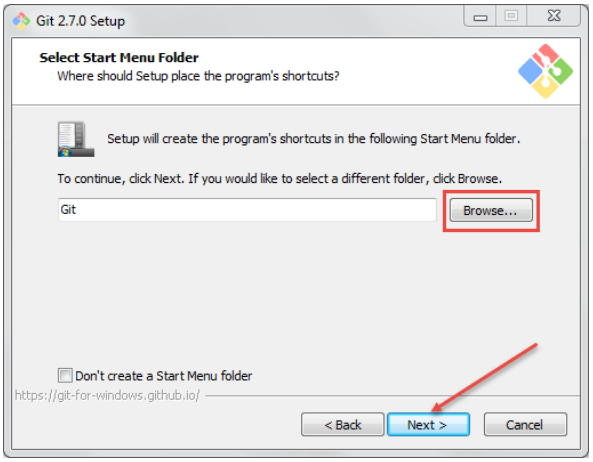
1. Select the Directory where you want to install "Git Binaries" and
2. Click on next button



Step 9) Select the component which you want to install and click on next

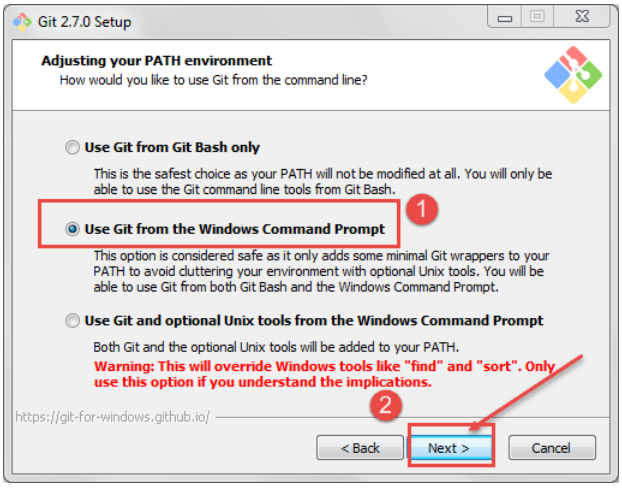


Step 10) If you want to create a start menu folder for Git, leave the setting default and click on next.



Step 11) In this step,

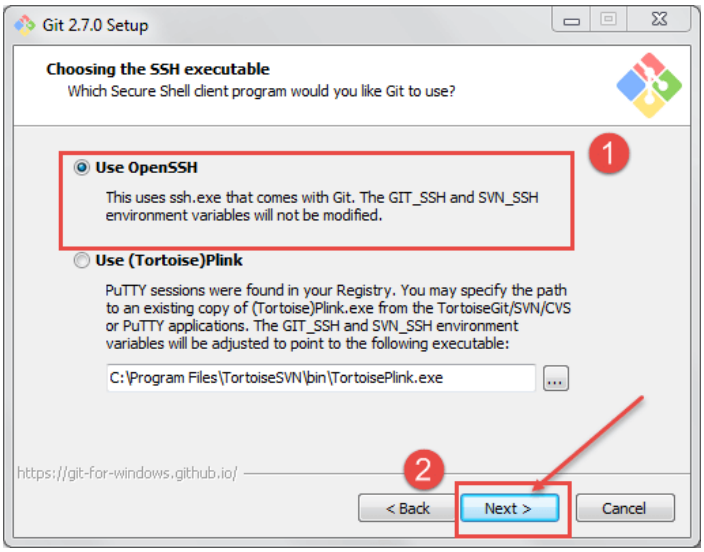
1. Select Use Git from the Windows Command Prompt to run Git from the command line and
2. Click on next.



Leave the default setting and click on next to install.

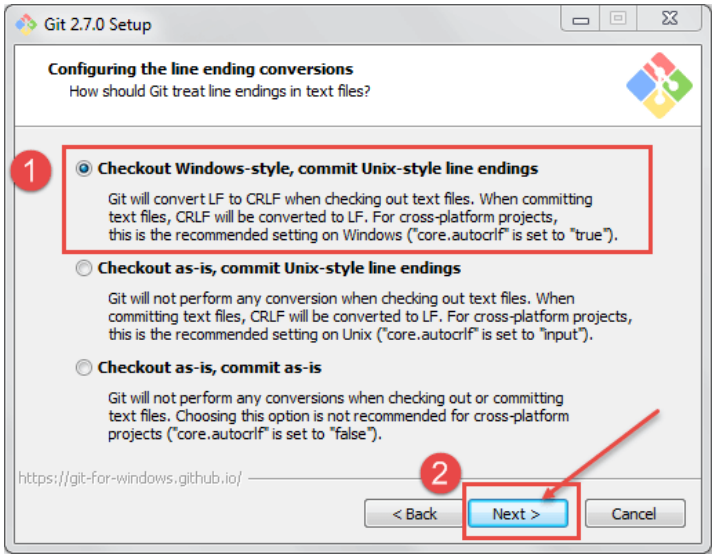
Step 12) In this step,

1. Select Use Open SSH It will help us to execute the command from the command line, and it will set the environmental path.
2. Click on next button.



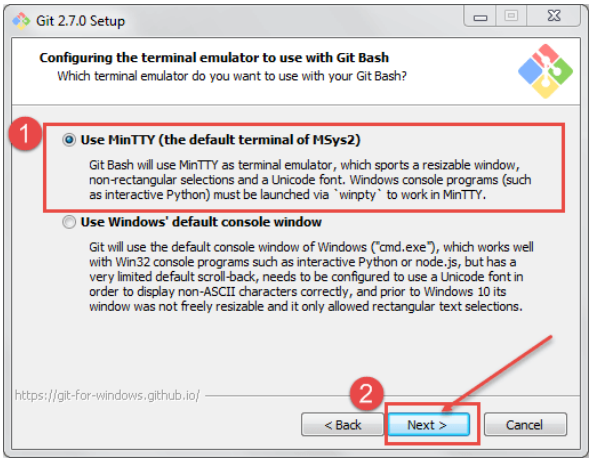
Step 13) In this step,

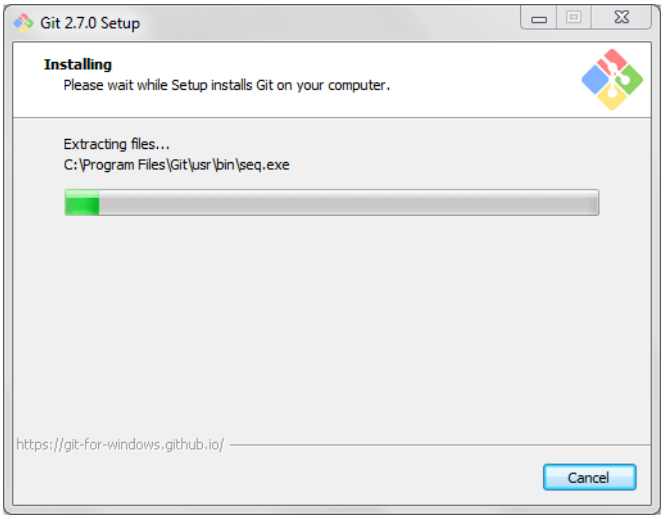
1. Select "Checkout windows-style, commit Unix-style line ending".(how the git hub should treat line endings in text files).
2. Click on next button.



Step 14) In this step,

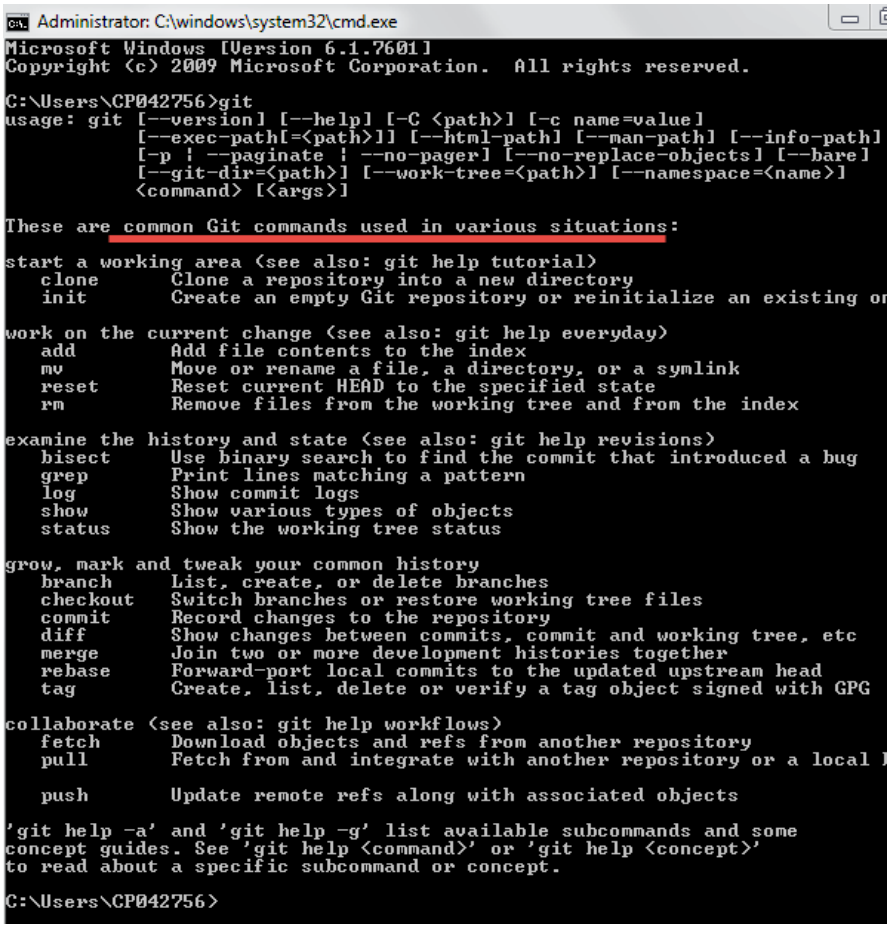
1. Select Use MinTTY is the default terminal of MSys2 for Git Bash
2. Click on next button





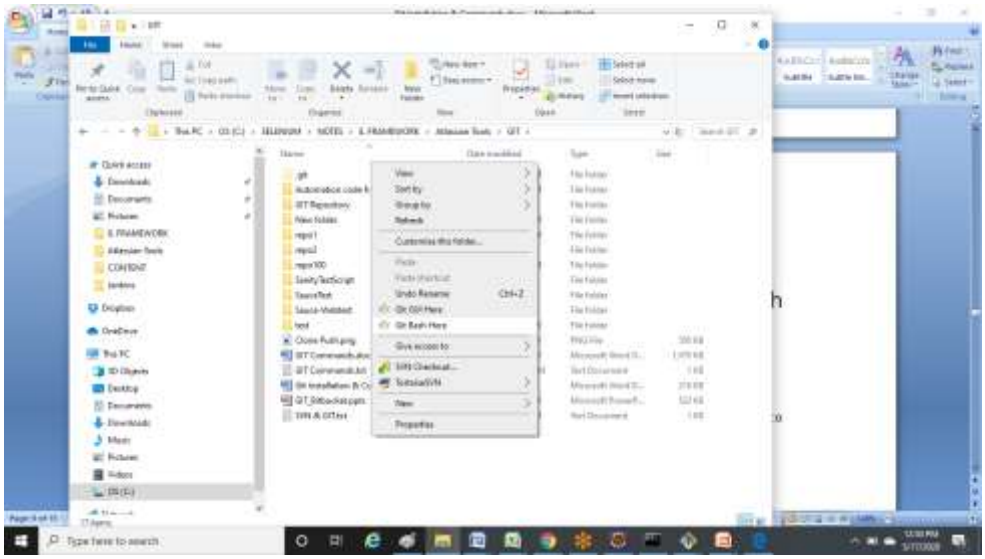
Once git is installed successfully, you can access the git.

Open Command prompt and type "git" and hit "Enter" If you see below screen means it is installed successfully

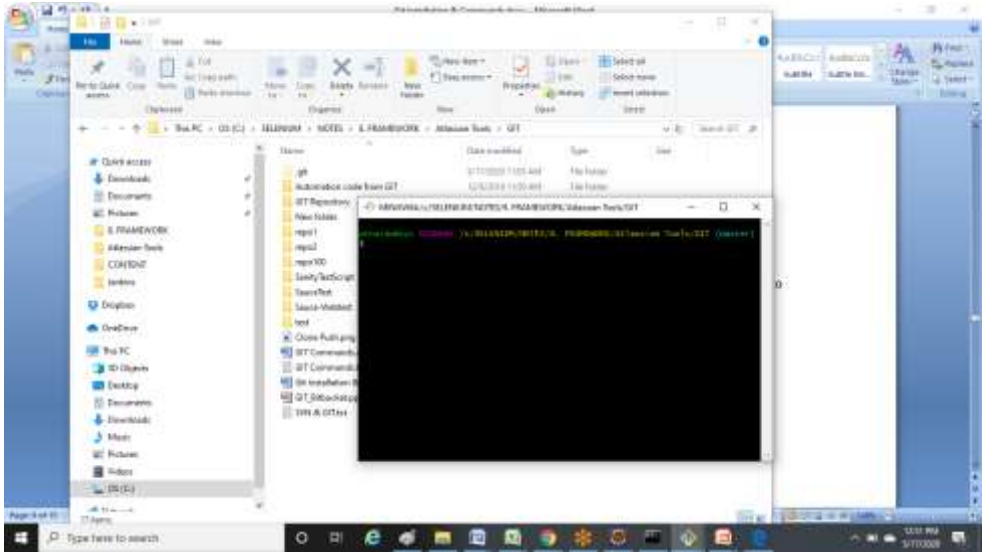


Go to any of your local directory where you want to work with GIT repo,

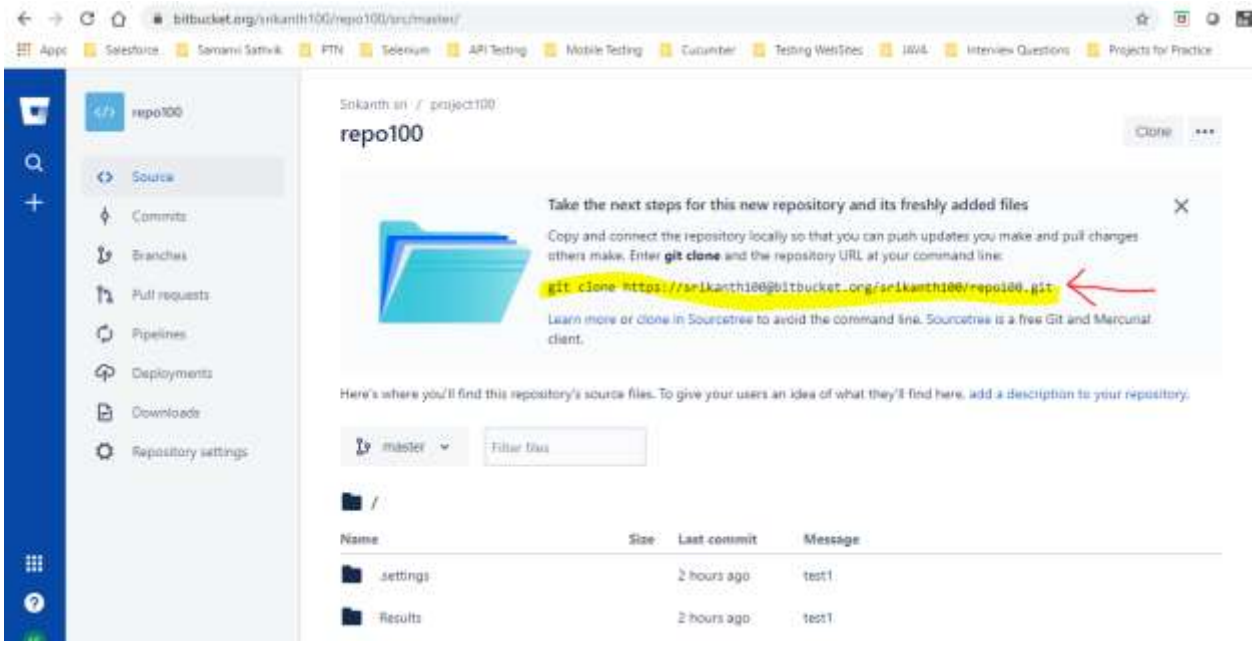
Right click and click on Git Bash Here.



It will display below Git Bash command prompt.



Copy git repo path from bitucket as shown in below screen.



Run commands as shown in below.

```
$ git clone https://srikanth100@bitbucket.org/teamqadec2019/sanitytestautomation.git

Cloning into 'sanitytestautomation'...
remote: Counting objects: 3, done.
remote: Compressing objects: 100% (2/2), done.
remote: Total 3 (delta 0), reused 0 (delta 0)
Unpacking objects: 100% (3/3), done.

srikanth@sys MINGW64 /c/SELENIUM/NOTES/8. FRAMEWORK/Jenkins/GIT/SanityTestScript
(master)

Copy all your framework files into the coned directory.

$ git add --all
error: 'GIT Repository/' does not have a commit checked out
fatal: adding files failed

srikanth@sys MINGW64 /c/SELENIUM/NOTES/8. FRAMEWORK/Jenkins/GIT/SanityTestScript
(master)
$ pwd
/c/SELENIUM/NOTES/8. FRAMEWORK/Jenkins/GIT/SanityTestScript

srikanth@sys MINGW64 /c/SELENIUM/NOTES/8. FRAMEWORK/Jenkins/GIT/SanityTestScript
(master)
$ ls
sanitytestautomation/

srikanth@sys MINGW64 /c/SELENIUM/NOTES/8. FRAMEWORK/Jenkins/GIT/SanityTestScript
(master)
$ cd sanitytestautomation/

srikanth@sys MINGW64 /c/SELENIUM/NOTES/8.
FRAMEWORK/Jenkins/GIT/SanityTestScript/sanitytestautomation (master)
$ git add --all
warning: LF will be replaced by CRLF in test-output/Default suite/Default test.html.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in test-output/Default suite/Default test.xml.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in test-output/index.html.
```

```
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in test-output/junitreports/TEST-
com.NewTours.testscripts.NewTest.xml.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in test-output/old/Default suite/classes.html.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in test-output/old/Default suite/index.html.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in test-output/old/Default suite/main.html.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in test-output/old/Default suite/methods-
alphabetical.html.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in test-output/old/Default suite/methods-not-
run.html.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in test-output/old/Default suite/methods.html.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in test-output/old/Default suite/toc.html.
The file will have its original line endings in your working directory
warning: LF will be replaced by CRLF in test-output/old/index.html.
The file will have its original line endings in your working directory

srikanth@sys MINGW64 /c/SELENIUM/NOTES/8.
FRAMEWORK/Jenkins/GIT/SanityTestScript/sanitytestautomation (master)

$ git commit -m "testing"

*** Please tell me who you are.

Run

  git config --global user.email "you@example.com"
  git config --global user.name "Your Name"

to set your account's default identity.
Omit --global to set the identity only in this repository.

fatal: unable to auto-detect email address (got 'srikanth@sys.(none)')

srikanth@sys MINGW64 /c/SELENIUM/NOTES/8. FRAMEWORK/Jenkins/GIT/repo1 (master)
```

If it displays, above error message, please use below command.

```
$ git config --global user.email "srikanthtesting100@gmail.com"
```

Now run commit command

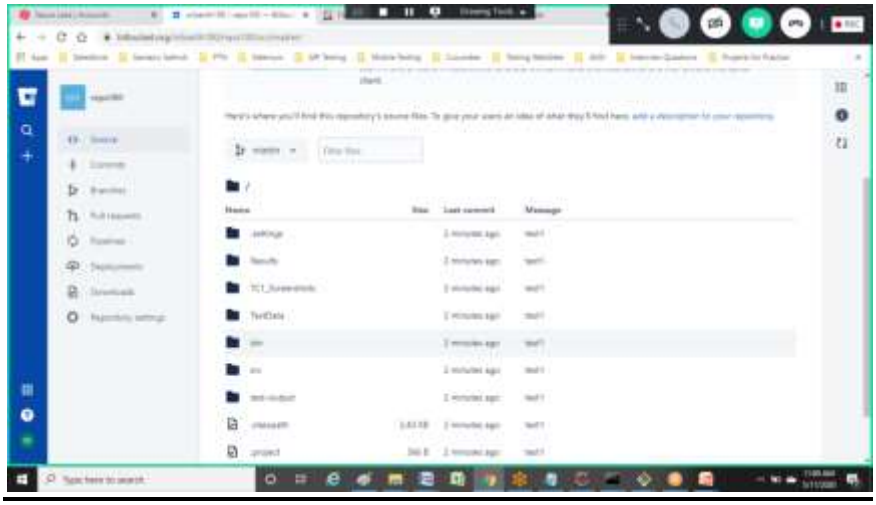
```
$ git commit -m "test1"
[master 5c83c22] test1
 53 files changed, 1447 insertions(+)
 create mode 100644 .classpath
 create mode 100644 .project
 create mode 100644 .settings/org.eclipse.jdt.core.prefs
 create mode 100644 Results/Results.xlsx
 create mode 100644 TC1_Screenshots/Step2_Login_Page_Displayed.png
 create mode 100644 TC1_Screenshots/Step3_Username_Password_entered.png
 create mode 100644 TC1_Screenshots/Step4_Homepage_Displayed.png
 create mode 100644 TC1_Screenshots/Step5_First_page_details_filled.png
 create mode 100644 TC1_Screenshots/Step6_Second_page_details_filled.png
 create mode 100644 TC1_Screenshots/Step7_Third_page_details_filled.png
 create mode 100644 TC1_Screenshots/Step8_Flight_Book_Confirmation_Page.png
 create mode 100644 TestData/Results.xlsx
```

```
 create mode 100644 TestData/TestData.xlsx
 create mode 100644 bin/com/NewTours/CommonMethods/NewToursMethods.class
 create mode 100644 bin/com/NewTours/Excelutilities/ExcelUtilities.class
 create mode 100644 bin/com/NewTours/Weblocators/NewToursHomepageLocators.class
 create mode 100644 bin/com/NewTours/Weblocators/NewToursLocators.class
 create mode 100644 bin/com/NewTours/testscripts/NewTest.class
 create mode 100644 src/com/NewTours/CommonMethods/NewToursMethods.java
 create mode 100644 src/com/NewTours/Excelutilities/ExcelUtilities.java
 create mode 100644 src/com/NewTours/Weblocators/NewToursHomepageLocators.java
 create mode 100644 src/com/NewTours/Weblocators/NewToursLocators.java
 create mode 100644 src/com/NewTours/testscripts/NewTest.java
 create mode 100644 test-output/Default suite/Default test.html
 create mode 100644 test-output/Default suite/Default test.xml
 create mode 100644 test-output/Default suite/testng-failed.xml
 create mode 100644 test-output/bullet_point.png
 create mode 100644 test-output/collapseall.gif
 create mode 100644 test-output/emailable-report.html
 create mode 100644 test-output/failed.png
 create mode 100644 test-output/index.html
 create mode 100644 test-output/jquery-1.7.1.min.js
 create mode 100644 test-output/junitreports/TEST-com.NewTours.testscripts.NewTest.xml
 create mode 100644 test-output/navigator-bullet.png
 create mode 100644 test-output/old/Default suite/Default test.properties
 create mode 100644 test-output/old/Default suite/classes.html
 create mode 100644 test-output/old/Default suite/groups.html
 create mode 100644 test-output/old/Default suite/index.html
 create mode 100644 test-output/old/Default suite/main.html
 create mode 100644 test-output/old/Default suite/methods-alphabetical.html
 create mode 100644 test-output/old/Default suite/methods-not-run.html
 create mode 100644 test-output/old/Default suite/methods.html
 create mode 100644 test-output/old/Default suite/reporter-output.html
 create mode 100644 test-output/old/Default suite/testng.xml.html
 create mode 100644 test-output/old/Default suite/toc.html
 create mode 100644 test-output/old/index.html
 create mode 100644 test-output/passed.png
 create mode 100644 test-output/skipped.png
 create mode 100644 test-output/testng-failed.xml
 create mode 100644 test-output/testng-reports.css
 create mode 100644 test-output/testng-reports.js
 create mode 100644 test-output/testng-results.xml
 create mode 100644 test-output/testng.css

srikanth@sys MINGW64 /c/SELENIUM/NOTES/8.
FRAMEWORK/Jenkins/GIT/SanityTestScript/sanitytestautomation (master)
```

When you run below command, it may ask for bitbuck password. Please enter your password you gave while registering for bitbucket.

```
$ git push -u origin master
Enumerating objects: 78, done.
Counting objects: 100% (78/78), done.
Delta compression using up to 4 threads
Compressing objects: 100% (63/63), done.
Writing objects: 100% (77/77), 454.48 KiB | 3.34 MiB/s, done.
Total 77 (delta 5), reused 0 (delta 0)
To https://bitbucket.org/teamqadec2019/sanitytestautomation.git
   d1a5ea8..5c83c22  master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.

srikanth@sys MINGW64 /c/SELENIUM/NOTES/8.
FRAMEWORK/Jenkins/GIT/SanityTestScript/sanitytestautomation (master)
$
```

After you run above commands in GIT Bash, Refresh the page in bitbucket



Summary of commands:

$ git init

$ git config --global user.email "srikanthtesting100@gmail.com"

$ git clone https://bitbucket.org/teamqadec2019/repo2.git

$ pwd

/c/SELENIUM/NOTES/8. FRAMEWORK/Jenkins/GIT/test

$ ls

repo2/

$ cd repo2/

$ git add --all

$ git commit -m "test1"

$ git push -u origin master

GIT Commands:

Git task	Notes	Git commands
Tell Git who you are	Configure the author name and email address to be used with your commits. Note that Git strips some characters (for example trailing periods) from `user.name`.	`gitconfig --global user.name "Sam Smith"` `gitconfig --global user.email sam@example.com`
Create a new local repository		`Git init`
Check out a repository	Create a working copy of a local repository:	`git clone /path/to/repository`
	For a remote server, use:	`git clone username@host:/path/to/repository`
Add files	Add one or more files to staging (index):	`git add <filename>` `git add *`
Commit	Commit changes to head (but not yet to the remote repository):	`git commit -m "Commit message"`
	Commit any files you've added with `git add`, and also commit any files you've changed since	`git commit -a`

	then:	
Push	Send changes to the master branch of your remote repository:	`git push origin master`
Status	List the files you've changed and those you still need to add or commit:	`git status`
Connect to a remote repository	If you haven't connected your local repository to a remote server, add the server to be able to push to it:	`git remote add origin <server>`
Branches	Create a new branch and switch to it:	`git checkout -b <branchname>`
	Switch from one branch to another:	`git checkout <branchname>`
	List all the branches in your repo, and also tell you what branch you're currently in:	`git branch`
	Delete the feature branch:	`git branch -d <branchname>`
	Push the branch to your remote repository, so	`git push origin <branchname>`

	others can use it:	
	Delete a branch on your remote repository:	`git push origin :<branchname>`
Update from the remote repository	Fetch and merge changes on the remote server to your working directory:	`git pull`