

Practical:

Create a Git repository using the cheat-sheet commands

Keep a word document named "Screenshots" open to put screen shots in

```
100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab1
$ cd C:\\Users\\100586296\\Documents\\SP-LABS\\Lab-1

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ git init
Initialized empty Git repository in C:/Users/100586296/Documents/SP-LABS/Lab-1/.git/

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ |
```

Edit "Student" file to include your own Student Name & Student ID

Commit changes

```
100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ echo "Name: Vidit Vyas, Student ID: 100586296" > Student.txt

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ vim Student.txt

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ |
```

Create IgnoreExample.txt

Edit content of IgnoreExample.txt

Use git status and screenshot the outcome

Commit changes

```

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ git commit -m "My Information"
[master (root-commit) c805d97] My Information
Committer: Vidity Vyas <vidity.vyas@dcmail.ca>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly:

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

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

1 file changed, 3 insertions(+)
create mode 100644 Student.txt

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ git |

```

Add IgnoreExample.txt to .gitignore file

Edit content of IgnoreExample.txt

Use git status and screenshot the outcome

```

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ echo "software project management" > IgnoreExample.txt

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ vim IgnoreExample.txt

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ cat IgnoreExample.txt
software project management

software engineering

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ git status
On branch master
Untracked files:
  (use "git add <file>..." to include in what will be committed)
    IgnoreExample.txt

nothing added to commit but untracked files present (use "git add" to track)

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ |

```

```

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ git add IgnoreExample.txt
warning: LF will be replaced by CRLF in IgnoreExample.txt.
The file will have its original line endings in your working directory

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ git commit -m "Example"
[master 2cf7d16] Example
  Committer: Vidit Vyas <vidit.vyas@dcmail.ca>
Your name and email address were configured automatically based
on your username and hostname. Please check that they are accurate.
You can suppress this message by setting them explicitly:

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

After doing this, you may fix the identity used for this commit with:

    git commit --amend --reset-author

1 file changed, 5 insertions(+)
create mode 100644 IgnoreExample.txt

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ git status
On branch master
nothing to commit, working tree clean

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ |

```

```

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ vim IgnoreExample.txt

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ git status
On branch master
Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified:   IgnoreExample.txt

Untracked files:
  (use "git add <file>..." to include in what will be committed)
        .gitignore

no changes added to commit (use "git add" and/or "git commit -a")

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ |

```

Create a new branch using git branch

Switch to new branch

```

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ git branch branch2

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ git checkout branch
error: pathspec 'branch' did not match any file(s) known to git

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ git branch branch2
fatal: A branch named 'branch2' already exists.

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ git checkout branch2
Switched to branch 'branch2'
M       IgnoreExample.txt

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (branch2)
$ ls
'~$creenshots.docx'  IgnoreExample.txt  Screenshots.docx  Student.txt

```

Edit BranchExample.txt (create this if not present) via notepad command notepad BranchExample.txt

Use git add for update branch example, commit and use notepad command again

Remove RemoveExample.txt (create one first if not present)

```

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ echo "" > RemoveExample.txt

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ ls
'~$creenshots.docx'  IgnoreExample.txt  Screenshots.docx
Branch2Example.txt  RemoveExample.txt  Student.txt

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ rm RemoveExample.txt

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ ls
'~$creenshots.docx'  Branch2Example.txt  IgnoreExample.txt  Screenshots.docx  Student.txt

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ |

```

Screenshot content

Switch back to master branch

Use same notepad command

Screenshot the outcome

```

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (branch2)
$ git checkout branch
error: pathspec 'branch' did not match any file(s) known to git

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (branch2)
$ git checkout master
Switched to branch 'master'
A       .gitignore
A       Branch2Example.txt
M       IgnoreExample.txt
A       Screenshots.docx
A       ~$reenshots.docx

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)

```

```

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ git status
On branch master
Changes to be committed:
  (use "git restore --staged <file>..." to unstage)
    new file:   .gitignore
    new file:   Branch2Example.txt
    modified:   IgnoreExample.txt
    new file:   Screenshots.docx
    new file:   ~$reenshots.docx

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ git add .

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ git commit -m "labs"
[master 2cabd64] labs
  Committer: Vedit Vyas <vidit.vyas@dcmail.ca>
  Your name and email address were configured automatically based
  on your username and hostname. Please check that they are accurate.
  You can suppress this message by setting them explicitly:

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

  After doing this, you may fix the identity used for this commit with:

      git commit --amend --reset-author

  5 files changed, 8 insertions(+)
  create mode 100644 .gitignore
  create mode 100644 Branch2Example.txt
  create mode 100644 Screenshots.docx
  create mode 100644 ~$reenshots.docx

```

Use clean command to remove file completely

Use git status and screenshot outcome

```
100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ git clean -n

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ git status
On branch master
nothing to commit, working tree clean

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ |
```

Use git add to add your word document with the screenshots to the repository, it should look something like this: git add Screenshots.docx

Commit

```
100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ git add Screenshots.docx

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ ls
'~$creenshots.docx'  Branch2Example.txt  IgnoreExample.txt  Screenshots.docx  Student.txt

100586296@UOSL17-BNNMFC2 MINGW64 ~/Documents/SP-LABS/Lab-1 (master)
$ |
```