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| **PACE UNIVERSITY** |
| GITHUB EXERCISE |
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| **11/7/2016** |

1. What is Github??

* Github is nothing but a git repository.
* Git is a command line tool.
* GitHub provides a Web-based graphical interface. It also provides access control and several collaboration features, such as a wikis and basic task management tools for every project

1. When was Github created??

* The Github was created on 1 October 2007.

1. Who created Github??

* Linus Torvalds created Github but was launched in April 2008 by Tom Preston-Werner, Chris Wanstrath, and PJ Hyett.

1. What similar platforms exist??

* The existing platforms that are similar to Github are:

1. Bitbucket
2. SourceForge
3. GitLab
4. Kiln
5. Codeplane
6. CodePlex
7. Beanstalk
8. Why would you use Github??

* The best use of Github would be to work on the same project or code .
* Using Github we could get access or view codes created by various people and use it as a reference for your project.
* **REPOSITORY**:
* It is a directory or storage space where the projects can live.
* You can keep code files, text files, image files, you name it, inside a repository.
* **COMMIT**:
* This is the command that gives Git its power.
* **PUSH:**
* If you’re working on your local computer, and want your commits to be visible online on GitHub as well, you “push” the changes up to GitHub with this command.
* **BRANCH**:
* When you are working with various people and want to make a change in your own code is why we use branch.
* **FORK**:
* A fork is a copy of a repository.
* Forking a repository allows you to freely experiment with changes without affecting the original project.
* **MERGE:**
* When you’re done working on a branch, you can merge your changes back to the master branch, which is visible to all people you are working with.
* **CLONE:**
* Cloning a git repository means that you create a local copy of the code provided by developer.
* **PULL:**
* If you’re working on your local computer and want the most up-to-date version of your repository to work with, you “pull” the changes down from GitHub with this command.
* **PULL REQUEST**:
* Pull requests let you tell others about changes you've pushed to a repository on GitHub.