

Git code	Example	Description
git clone <url>	<code>git clone https://github.com/pvl19/team_project.git</code>	clones GitHub repository to local machine
cd <directory_name>	<code>cd team_project/</code>	changes directory to directory mentioned
git checkout <branch_name>	<code>git checkout feature1</code>	switch to branch_name, if already on branch_name will stay there
git checkout -b <new_branch>	<code>git checkout -b feature2</code>	create new_branch and switch to it
git switch <branch_name>	<code>git switch feature2</code>	acts similar to git checkout (git checkout has another use as well therefore git switch is used in newer versions of git to clarify we are switching branches.
git branch -c <new_branch>	<code>git branch -c team-project-1</code>	create new_branch
git branch	<code>git branch</code>	list all branches, branch we are on highlighted with <code>*</code>
git add <filename>	<code>git add README.md</code>	add changes made to filename to staging area
git add .	<code>git add .</code>	add all changes to staging area
git commit -m "Commit message"	<code>git commit -m "initial commit to team-project"</code>	commit changes with the message "Commit message"
git status	<code>git status</code>	check the status of our branch
git pull	<code>git pull</code>	<p>This will fetch changes from the remote branch that corresponds to your current branch and merge them into your current branch.</p> <p>By default, it merges these commits into your current branch. If there are conflicts, you will need to resolve them manually.</p>
git pull origin <branch_name>	<code>git pull origin team-project-1</code>	pull latest changes from <branch_name> on virtual repository
git fetch	<code>git fetch</code>	retrieves the latest commits from the remote branch that corresponds to your current local branch
git push --set-upstream origin <branch-name>	<code>git push --set-upstream origin HEAD</code>	sets the remote branch as the upstream for the local branch
git push	<code>git push</code>	push changes from your current branch to the remote branch you are tracking
git push origin <branch_name>	<code>git push origin team-project-1</code>	push changes made and committed on local device to <branch_name> on remote repository
git merge origin/<branch_name>	<code>git merge origin/feature2</code>	merge <branch_name> from remote repository into the branch we are currently on in our local repository.