Git Exercise

*Remote repo – (online github account on browser)*

*Local repo – when you initialize git in your project folder in your computer or clone a repository to project folder*

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| **Serial No.** | **Activities** | **Commands** |
| 1 | Create a remote repository in your Github account | a) Sign in to your git account in the browser.  b) Create a new repository called “Git-Exercise”, add description and initialize README.md |
| 2 | Clone the repository to your preferred location (inside www) | 1. Open Terminal and cd into vagrant folder, vagrant up, vagrant ssh 2. Cd into /vagrant/www 3. git clone url   **note**: copy url from clone or download button |
| 3 | Pull the repository to check if any changes happened to repo | 1. cd into the Git-Exercise folder 2. git pull https://github.com/samuelfred/Git-Exercise.git |
| 4 | Create index.html | 1. Open editor(SublimeText) and bring the folder called Git-Exercise 2. Create index.html inside this folder |
| 5 | Push index.html into master branch of remote repo | 1. git status 2. git add . 3. git commit -m “added index.html” 4. git push origin master (if asked, give your username & password of git account) 5. refresh remote git to see index.html |
| 6 | Pull the repo again | 1. git pull <https://github.com/samuelfred/Git-Exercise.git> |
| 7 | Add css folder with style.css in it and link to your index.html | 1. add css folder with style.css 2. link to css/style.css |
| 8 | Push index.html with style.css into master branch of remote repo | 1. git status 2. git add . 3. git commit -m “added style.css” 4. git push origin master 5. refresh remote git to see css/style.css |
| 9 | Pull the repo again | 1. git pull <https://github.com/samuelfred/Git-Exercise.git> |
| B R A N C H | | |
| 10 | Branch out (js-script) | 1. git branch js-script 2. git checkout js-script |
| 11 | Add js folder with script.js in it and connect to your index.html | 1. add js folder with script.js 2. connect to js/script.js |
| 12 | Push js-script to js-script branch of remote repo | 1. git status 2. git add . 3. git commit -m “added script.js” 4. git push origin js-script |
| 13 | Merge the js-script branch to master | 1. refresh remote git to see js/script.js 2. click on compare & pull request button on the right 3. add comments 4. click on create pull request button 5. If no conflicts, click on merge pull request 6. Click on confirm merge button. Then click on Delete branch (if you do not want it, it is good to keep it) |
| S e t t i n g u p p r o j e c t f o l d e r | | |
| 13 | Pull the repo again | 1. Git pull origin master |
| 14 | Branch out (npm-package) | 1. Git checkout -b npm-package |
| 15 | Create package.json and .gitignore files | 1. npm init   {  "name": "api-project",  "version": "1.0.0",  "description": "API group project",  "main": "index.html",  "scripts": {  "test": "echo \"Error: no test specified\" && exit 1"  },  "repository": {  "type": "git",  "url": "git+https://github.com/samuelfred/Git-Exercise.git"  },  "keywords": [  "api",  "food",  "events"  ],  "author": "Beula",  "license": "ISC",  "bugs": {  "url": "https://github.com/samuelfred/Git-Exercise/issues"  },  "homepage": "https://github.com/samuelfred/Git-Exercise#readme"  }  Is this OK? (yes) yes   1. check sublime for package.json 2. npm install jquery --save-dev 3. check sublime for node\_modules 4. touch .gitignore 5. check sublime for .gitignore 6. save the file with /node\_modules 7. git branch -a 8. git status |
| 16 | Push npm-package to npm-package branch of remote repo | 1. git add . 2. git commit -m “added package.json” 3. git push origin npm-package |
| 17 | Merge the branch | 1. refresh remote git to see package.json and .gitignore 2. click on compare & pull request button on the right 3. add comments 4. click on create pull request button 5. If no conflicts, click on merge pull request 6. Click on confirm merge button |
| 18 | Pull the repo again | Git pull |
| 19 | Branch out (grunt-tasks) | Git checkout -b grunt-tasks |
| 20 | Create Gruntfile.js and install tasks | Touch Gruntfile.js |
| 21 | Push grunt-tasks to grunt-tasks branch of remote repo | Push origin grunt-tasks |
| 22 | Merge the branch and keep the branch . Don’t delete branch |  |