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| git installation and setup |
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|  | 1. Sign up to github.com and varify your email id. |
|  | 2. download gitbash (32 or 64 bit) from this url: |
|  | https://git-scm.com/download/win |
|  | 3. while installing gitbash on the "adjusting your path environment" screen select "use git from windows command prompt". |
|  | 4. in Choosing HTTP transport backend screen select "use the openssl library" |
|  | 5. rest select default settings. |
|  | 6. launch gitbash once installed. |
|  | 7. change the mail address to your email address with whihc you have registered your github account. |
|  | 8. paste the follwoing code at the consol after the $. ssh-keygen -t rsa -b 4096 -C "your\_email@example.com" |
|  | 9. When you're prompted to "Enter a file in which to save the key," press Enter. This accepts the default file location. |
|  | Enter a file in which to save the key (/c/Users/you/.ssh/id\_rsa):[Press enter] |
|  | 10. At the prompt, type a secure passphrase and press enter. you will have to again enter the same passfphrase to confirm. |
|  | Remeber/write down this password. \*\*\*\* THIS IS IMPORTANT |
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|  | 11. Once successfully created you will find the ssh file in your /c/Users/you/.ssh/id\_rsa location. |
|  | \*\* you may have to unhide hidden folders to see it. |
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|  | 12. Next type on the console after the $ sigh. eval $(ssh-agent -s). you should get a agent pid number. |
|  | that number means ssh key agent is running |
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|  | \*\*Some coumper may pail to start the agent for various reasons. |
|  | if reinstalling and restarting the system doesn't help you may also procees directly to point 16. |
|  | The only thing will change is that everytime you will try to upoad or syncronize your local folder with the github cloud, |
|  | you will have to enter the passphrase you have set on point 10. |
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|  | 13. if the step above runs fine. type in the console after the $ sign. ssh-add ~/.ssh/id\_rsa. |
|  | this will ask you to enter the passphrase we entered twice in the step 10. \*\*\*\* THIS IS IMPORTANT. |
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|  | 14. enter the following command after the $ sign. clip < ~/.ssh/id\_rsa.pub. |
|  | 15. In the upper-right corner of any page, click your profile photo, then click Settings. |
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|  | 16. Authentication keysIn the user settings sidebar, click SSH and GPG keys. |
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|  | 17. Click New SSH key or Add SSH key. |
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|  | 18. In the "Title" field, add a descriptive label for the new key. |
|  | For example, if you're using a personal Mac, you might call this key "Personal MacBook Air". |
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|  | 19. Paste your key into the "Key" field. |
|  | 20. Click Add SSH key. |
|  | 21. If prompted, confirm your GitHub password. |
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|  | 22. enter this command In the git console after the $ sign. git config --global user.email "you@example.com" |
|  | 23. enter this command In the git console after the $ sign. git config --global user.name "Your Name" |
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|  | 24. create a local folder within which all your code projects and segments are supposed to be saved. |
|  | create a subfolder named introduction. |
|  | 25. create a new github repository by clicking on the + sign next to the image of the user. |
|  | give the repository the same name as your subproject introduction. |
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|  | \*\*\* Important: DO NOT check "Initialize this repository with a README" till you are comfortable |
|  | to create repositories from scratch on your own. |
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|  | 26. at this point it should show up a set of commands under "…or create a new repository on the command line" |
|  | copy them all into a text file. |
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|  | 27. edit the line "git add README.md" to "git add \*". This will allow you to sync all the files in the local folder with |
|  | git file server in the cloud. |
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|  | copy all the commands from the text file. |
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|  | 28. Close any old git bash console. |
|  | within your local project folder "introduction" right click and select git bash. this should open git bash console. |
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|  | 29. right click and select paste in the git bash. It should create a readme file and create a first commit. |
|  | once done it will ask you to enter your passphrase from line 10. enter the pass phrase and the system will push the data onto the git server. |
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|  | 30. Once upload completed refresh the git project webpage and your readme file should be uploaded and visible. |
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|  | a sample of the commands are |
|  | echo "# in1" >> README.md |
|  | git init |
|  | git add README.md |
|  | git commit -m "first commit" |
|  | git remote add origin <your projecct path> |
|  | git push -u origin master |
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|  | 31. next time onwards only a subset of the commands will be required to synchronise the local folder with the git server. |
|  | git init |
|  | git add \* |
|  | git commit -m "Second commit" |
|  | git push -u origin master |