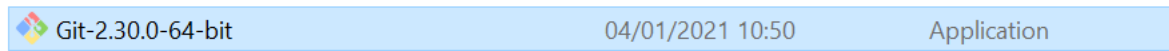


Asep Solahuddin

3sc1

1. Instalation Git Bash

Jika belum ada aplikasi gitbash bisa di download di <https://git-scm.com/>



jika sudah di download install seperti biasa aja klick dua kali okay dan ikuti saja pengaturan defaultnya

2. Git Setup

Memberikan nama dan email di git caranya begini

```
Sora@DESKTOP-GTJHS1K MINGW64 ~  
$ git config --global user.email solahudinasep12@gmail.com
```

```
Sora@DESKTOP-GTJHS1K MINGW64 ~  
$ git config --global user.name "sora"
```

Catatan : unutuk nama dan email harus di spasi dulu karena bisa saja ga masuk Ketika kita menjalankan perintah git -list

Kemudian jika ingin melihatnya kita bisa gunakan ini

```
Sora@DESKTOP-GTJHS1K MINGW64 ~  
$ git config --list  
diff.astextplain.textconv=astextplain  
filter.lfs.clean=git-lfs clean -- %f  
filter.lfs.smudge=git-lfs smudge -- %f  
filter.lfs.process=git-lfs filter-process  
filter.lfs.required=true  
http.sslbackend=openssl  
http.sslcainfo=C:/Program Files/Git/mingw64/ssl/certs/ca-bundle.crt  
core.autocrlf=true  
core.fscache=true  
core.symlinks=false  
pull.rebase=false  
credential.helper=manager-core  
credential.https://dev.azure.com.usehttppath=true  
init.defaultbranch=master  
user.email=solahudinasep12@gmail.com  
user.name=sora
```

Atau dengan git config user.name/email

3. Local Reository

Kita buat dulu folder buat nyimpen git reositorynya langsung dari gitbas dengan ketik

```
Sora@DESKTOP-GTJHS1K MINGW64 ~  
$ mkdir tutorial-01
```

Terus kita masukin init git reositorynya dengan ketik

```
Sora@DESKTOP-GTJHS1K MINGW64  
$ git init tutorial-01
```

catatan : jika tidak menulis folder yang dituju gitnya akan auto create ke penyimpanan local

didalam git tutorial-01 yang telah kita buat kita simpan sebuah file txt bebas isinya apa aja setelah dibuat kita liat dulu git status yang tersedia

```
Sora@DESKTOP-GTJHS1K MINGW64 ~/tutorial-01 (master)  
$ git status  
On branch master  
  
No commits yet  
  
Untracked files:  
  (use "git add <file>..." to include in what will be committed)  
    biodata.txt.txt  
  
nothing added to commit but untracked files present (use "git add" to track)
```

disini terdapat file txt yang belum di add dan commit

kita add commit dengan cara ini

```
Sora@DESKTOP-GTJHS1K MINGW64 ~/tutorial-01 (master)  
$ git add biodata.txt.txt  
  
Sora@DESKTOP-GTJHS1K MINGW64 ~/tutorial-01 (master)  
$ git add biodata.txt
```

```
Sora@DESKTOP-GTJHS1K MINGW64 ~/tutorial-01/3sc1_pnj (master)  
$ git commit -m 'initial project version'  
[master d8e8137] initial project version  
1 file changed, 5 insertions(+)  
create mode 100644 npmanda.txt
```

kalo udah di commit ama add kita liat log aktifitasnya

```
Sora@DESKTOP-GTJHS1K MINGW64 ~/tutorial-01 (master)  
$ git log  
commit 48b7257989065fe3e5faaa1f994b95770c391260 (HEAD -> master)  
Author: sora <solahudinasep12@gmail.com>  
Date: Mon Jan 4 13:55:33 2021 +0700  
  
    initial project version
```

terus jika kita ubah isi filenya kita lakukan add dan commit seperti cara diatas dan cek lagi di log

```
Sora@DESKTOP-GTJHS1K MINGW64 ~/tutorial-01 (master)
$ git log
commit 92ee78e3ae830bea99f9a3fd46059888d8e582e6 (HEAD -> master)
Author: sora <solahudinasep12@gmail.com>
Date: Mon Jan 4 14:29:21 2021 +0700

    initial project version

commit 48b7257989065fe3e5faaa1f994b95770c391260
Author: sora <solahudinasep12@gmail.com>
Date: Mon Jan 4 13:55:33 2021 +0700

    initial project version
```

jika ingin membandingkan yang satu dengan yang lain dengan cara menuliskan kode awal

```
Sora@DESKTOP-GTJHS1K MINGW64 ~/tutorial-01 (master)
$ git diff 48b7257989065fe3e5faaa1f994b95770c391260
diff --git a/biodata.txt b/biodata.txt
index 68ade05..05ca6b1 100644
--- a/biodata.txt
+++ b/biodata.txt
@@ -1,2 +1,3 @@
 NO.REG : 1920010030
 Nama : Asep Solahuddin
+Jurusan : Teknik Informatika
diff --git a/biodata.txt.txt b/biodata.txt.txt
deleted file mode 100644
index 68ade05..0000000
--- a/biodata.txt.txt
+++ /dev/null
@@ -1,2 +0,0 @@
-NO.REG : 1920010030
-Nama : Asep Solahuddin
```

3.Remote revistory

Buat dulu akun github jika belum ada

Kemudian kita buat new repishitorynya





Nanti akan ada code link untuk menyambungkan ke github seperti ini

```
Sora@DESKTOP-GTJHS1K MINGW64 ~/tutorial-01 (master)
$ git remote add origin https://github.com/asepsolahuddin/3SC1_PNJ_t01_AsepSolahuddin.git

Sora@DESKTOP-GTJHS1K MINGW64 ~/tutorial-01 (master)
$ git branch -M main

Sora@DESKTOP-GTJHS1K MINGW64 ~/tutorial-01 (main)
$ git push -u origin main
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 8 threads
Compressing objects: 100% (5/5), done.
Writing objects: 100% (6/6), 584 bytes | 584.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/asepsolahuddin/3SC1_PNJ_t01_AsepSolahuddin.git
 * [new branch]      main -> main
Branch 'main' set up to track remote branch 'main' from 'origin'.
```

Nanti file yang di add comit sebelumnya akan masuk ke github

asepsolahuddin initial project version		
	biodata.txt	initial project version
	biodata.txt.txt	initial project version
	branch.txt	initial projection
	npmanda.txt	initial project version

5.remote repository merge and branch

Langkah pertama kita buat branch baru dulu

Setelah itu kita pindahkan branch dari master ke testing dengan checkout

```
Sora@DESKTOP-GTJHS1K MINGW64 ~/tutorial-01 (main)
$ git branch testing

Sora@DESKTOP-GTJHS1K MINGW64 ~/tutorial-01 (main)
$ git checkout testing
Switched to branch 'testing'
D      biodata.txt.txt
```

Untuk membuat perbedaan pada branch kita buat lagi file txt di folder tutorial dengan nama branch.txt lalu kita add dan commit sama seperti sebelumnya

Setelah di commit kita push

```
Sora@DESKTOP-GTJHS1K MINGW64 ~/tutorial-01 (main)
$ git push
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 312 bytes | 156.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/asepsolahuddin/3SC1_PNJ_t01_AsepSolahuddin.git
cd06817..7440a21  main -> main
```

Terkadang ada perintah harus upstream jalankan perintahnya

Jika sudah kita Kembali lagi kemin dengan cara checkout tapi dibelaknangnya tulisan main bukan checkout

Setelah itu kita merge testing dengan main

```
Sora@DESKTOP-GTJHS1K MINGW64 ~/tutorial-01 (main)
$ git merge testing
Updating 7440a21..af42fca
Fast-forward
 branch.txt | 0
 1 file changed, 0 insertions(+), 0 deletions(-)
 create mode 100644 branch.txt
```

asepsolahuddin data dihapus	
biodata.txt	initial project version
branch.txt	initial projection
npmanda.txt	initial project version

6. Remote repository Clone

Selanjutnya kita clone dari github orang lain

```
Sora@DESKTOP-GTJHS1K MINGW64 ~/tutorial-01 (main)
$ git clone https://github.com/TirtaSouja/3sc1_pnj.git
```

Jika berhasil di clone nanti akan muncul file yang sama yang ada di githubya dengan folder di tutorial kita

TirtaSouja / 3sc1_pnj

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master
1 branch
0 tags
Go to file
Add file
Code

TirtaSouja asd
17a2c9e on Dec 16, 2019
3 commits

test.txt
asd
13 months ago

Sora > tutorial-01 > 3sc1_pnj

Name	Date modified	Type
.git	05/01/2021 13:24	File folder
3sc1_pnj	04/01/2021 16:40	File folder
npmanda	04/01/2021 16:33	Text Document
test	04/01/2021 16:20	Text Document