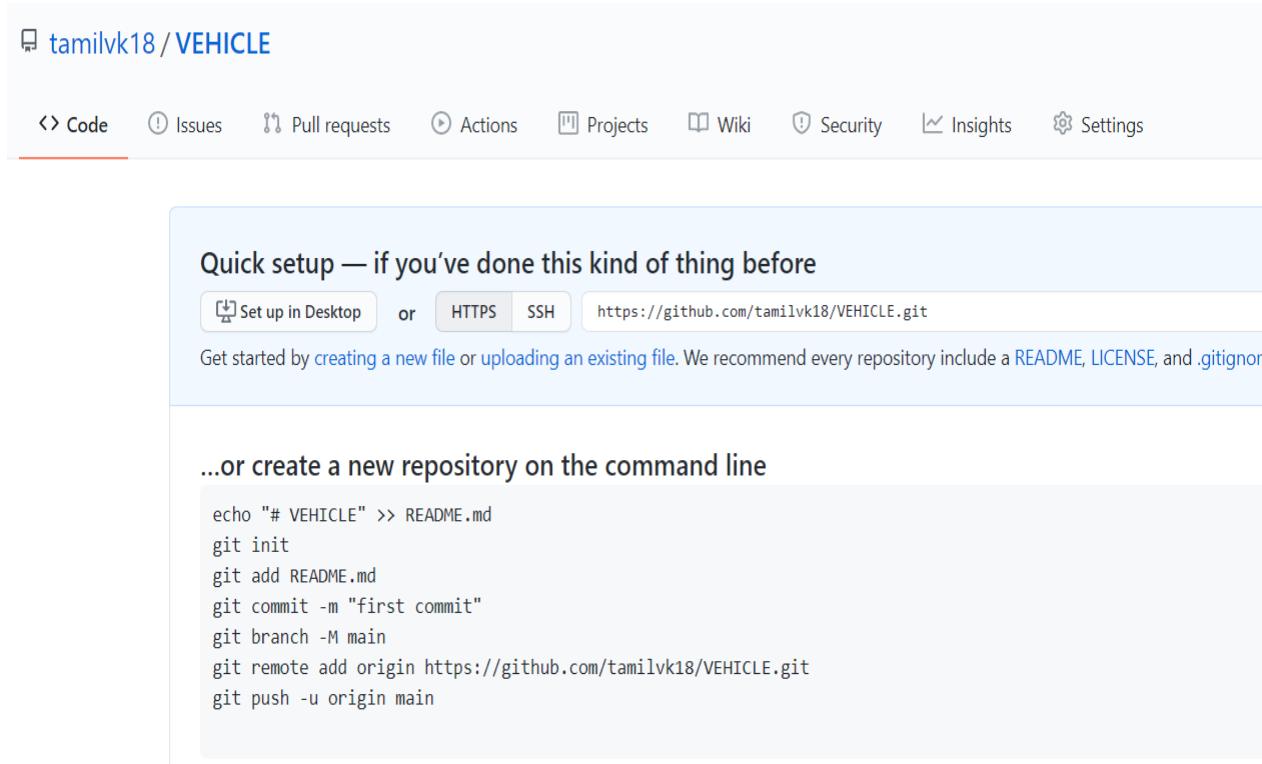


# GIT MINI PROJECT

S.TAMILSELVAN  
18MER207  
MECHANICAL

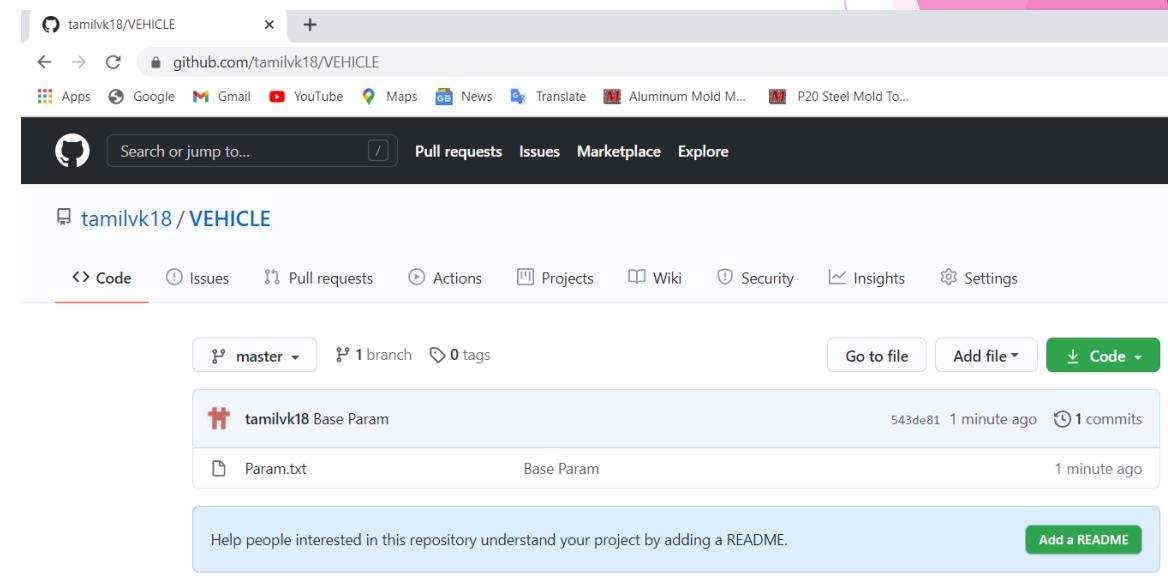
# CREATE A REPOSITORY IN GIT HUB NAMED IT AS VEHICLE AND ADD PARAM.TXT



# ADD THE FILE IN MASTER BRANCH AND GIVE COMMIT NAMED AS “BASE PARAM”

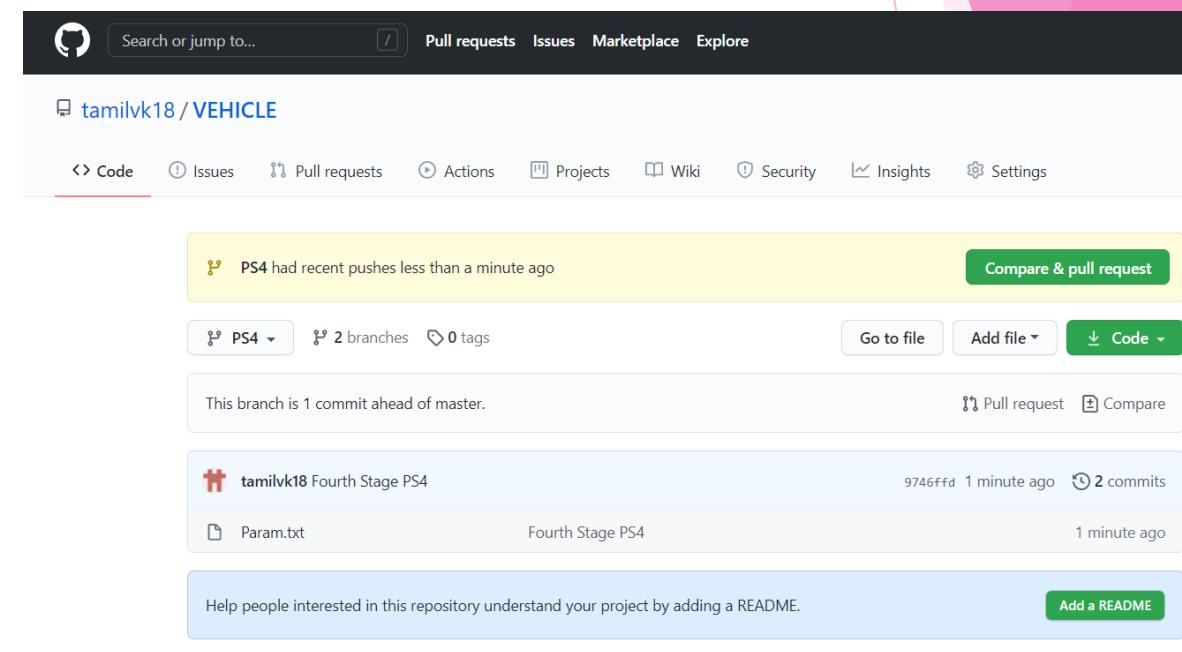
```
MINGW64:/d/Miniproject
TAMIL SELVAN@LovelyTamil MINGW64 ~ (master)
$ cd "D:/Miniproject"
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject
$ ls
Param.txt
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject
$ git init
Initialized empty Git repository in D:/Miniproject/.git/
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (master)
$ git add Param.txt
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (master)
$ git remote add origin https://github.com/tamilvk18/VEHICLE.git
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (master)
$ git commit -m "Base Param"
[master (root-commit) 543de81] Base Param
 1 file changed, 5 insertions(+)
 create mode 100644 Param.txt
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (master)
$ git push -u origin master
Enumerating objects: 3, done.
Counting objects: 100% (3/3), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 301 bytes | 150.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/tamilvk18/VEHICLE.git
 * [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.

TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (master)
$
```



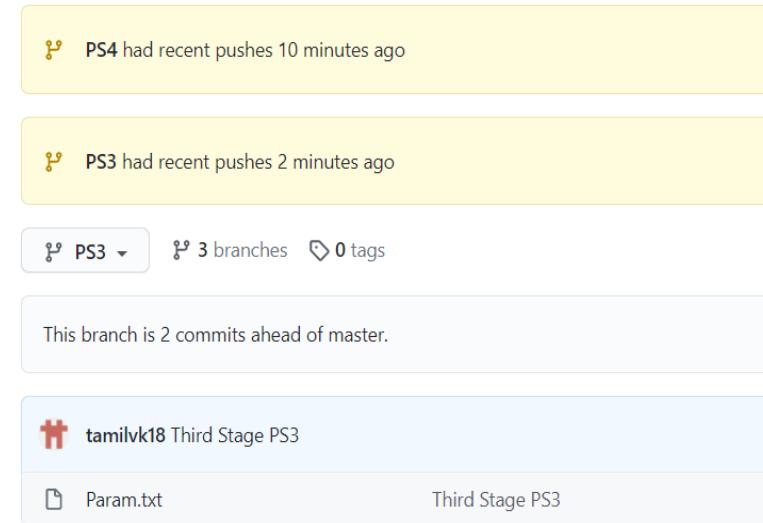
# CREATE A NEW BRANCH IN THE VEHICLE REPOSITORY CALLED “PS4” AND ADD THE PARAM.TXT FILE GIVE COMMIT AS “FOURTH STAGE PS4”

```
MINGW64:/d/Miniproject
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (master)
$ git branch PS4
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (master)
$ git checkout PS4
Switched to branch 'PS4'
M     Param.txt
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (PS4)
$ git add Param.txt
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (PS4)
$ git commit -m "Fourth Stage PS4"
[PS4 9746ffd] Fourth Stage PS4
 1 file changed, 5 insertions(+), 5 deletions(-)
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (PS4)
$ git push -u origin PS4
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 388 bytes | 194.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'PS4' on GitHub by visiting:
remote:   https://github.com/tamilvk18/VEHICLE/pull/new/PS4
remote:
To https://github.com/tamilvk18/VEHICLE.git
 * [new branch]      PS4 -> PS4
Branch 'PS4' set up to track remote branch 'PS4' from 'origin'.
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (PS4)
$ |
```



REPEAT THE SAME PROCEDURE FOR CREATE THE BRANCH  
“PS3,PS2,PS1”.  
AND GIVE COMMIT AS THIRD,SECOND,FIRST STAGE PS3,PS2,PS1.

```
MINGW64:/d/Miniproject
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (PS4)
$ git branch PS3
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (PS4)
$ git checkout PS3
Switched to branch 'PS3'
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (PS3)
$ git add Param.txt
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (PS3)
$ git commit -m "Third Stage PS3"
[PS3 e7cabee] Third Stage PS3
 1 file changed, 3 insertions(+), 5 deletions(-)
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (PS3)
$ git push -u origin PS3
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 380 bytes | 190.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'PS3' on GitHub by visiting:
remote:   https://github.com/tamilvk18/VEHICLE/pull/new/PS3
remote:
To https://github.com/tamilvk18/VEHICLE.git
 * [new branch]      PS3 -> PS3
Branch 'PS3' set up to track remote branch 'PS3' from 'origin'.
```



```
MINGW64:/d/Miniproject
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (PS3)
$ git branch PS2
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (PS3)
$ git checkout PS2
Switched to branch 'PS2'
M Param.txt
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (PS2)
$ git add Param.txt
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (PS2)
$ git commit -m "Second Stage PS4"
[PS2 ebf9988] Second Stage PS4
 1 file changed, 5 insertions(+), 3 deletions(-)
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (PS2)
$ git push -u origin PS2
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 413 bytes | 206.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'PS2' on GitHub by visiting:
remote:   https://github.com/tamilvk18/VEHICLE/pull/new/PS2
remote:
To https://github.com/tamilvk18/VEHICLE.git
 * [new branch]      PS2 -> PS2
Branch 'PS2' set up to track remote branch 'PS2' from 'origin'.
```

# EDIT THE PARAM.TXT ACCORDING TO THE BRANCH

```
MINGW64:/d/Miniproject
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (PS2)
$ git branch PS1
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (PS2)
$ git checkout PS1
Switched to branch 'PS1'
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (PS1)
$ git add Param.txt
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (PS1)
$ git commit -m "First Stage PS1"
[PS1 78a5070] First Stage PS1
 1 file changed, 7 insertions(+), 5 deletions(-)
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (PS1)
$ git push -u origin PS1
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 408 bytes | 204.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
remote:
remote: Create a pull request for 'PS1' on GitHub by visiting:
remote:   https://github.com/tamilvk18/VEHICLE/pull/new/PS1
remote:
To https://github.com/tamilvk18/VEHICLE.git
 * [new branch]    PS1 -> PS1
Branch 'PS1' set up to track remote branch 'PS1' from 'origin'.
```

The screenshot shows a GitHub repository interface. At the top, there are three yellow notifications: 'PS4 had recent pushes 16 minutes ago', 'PS3 had recent pushes 9 minutes ago', and 'PS2 had recent pushes less than a minute ago'. Each notification has a 'Compare & pull request' button. Below these is a navigation bar with dropdowns for 'PS2', '4 branches', and '0 tags', and buttons for 'Go to file', 'Add file', and 'Code'. A message states 'This branch is 3 commits ahead of master.' with links for 'Pull request' and 'Compare'. A pull request card for 'tamilvk18 Second Stage PS4' is shown, created 1 minute ago with 4 commits, involving 'Param.txt' and 'Second Stage PS4'. A blue banner at the bottom encourages adding a README with a 'Add a README' button.

PS4 had recent pushes 16 minutes ago

PS3 had recent pushes 9 minutes ago

PS2 had recent pushes less than a minute ago

PS2 ▾ 4 branches 0 tags

This branch is 3 commits ahead of master.

tamilvk18 Second Stage PS4

Param.txt Second Stage PS4 1 minute ago

Add a README

# MERGE ALL THE BRANCH TO THE MASTER BRANCH

```
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (PS1)
$ git checkout master
Switched to branch 'master'
Your branch is up to date with 'origin/master'.

TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (master)
$ git merge PS1
Updating 9746ffd..e7cabee
Fast-forward
 Param.txt | 8 ++++++--
 1 file changed, 3 insertions(+), 5 deletions(-)

TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (master)
$ git merge PS2
Updating e7cabee..ebf9988
Fast-forward
 Param.txt | 8 ++++++--
 1 file changed, 5 insertions(+), 3 deletions(-)

TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (master)
$ git merge PS1
Updating ebf9988..f849953
Fast-forward
 Param.txt | 21 ++++++-----+
 1 file changed, 20 insertions(+), 1 deletion(-)

TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (master)
$ git push -u origin master
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 8 threads
Compressing objects: 100% (2/2), done.
Writing objects: 100% (3/3), 682 bytes | 341.00 KiB/s, done.
Total 3 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/tamilvk18/VEHICLE.git
 9746ffd..f849953  master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'
```

master VEHICLE / Param.txt

tamilvk18 First Stage PS1 Latest commit f849953 12

1 contributor

24 lines (24 sloc) | 818 Bytes Raw

```
1 Base param
2 Height      : 44m
3 Diameter     : 2.8 m
4 Number of stages : 4
5 Lift off mass : 320 tonnes (XL)
6 Fourth Stage: PS4
7 The PS4 is the uppermost stage of PSLV, comprising of two Earth storable liquid engines.
8 Engine : 2 x PS-4
9 Fuel      : MMH + MON
10 Max. Thrust : 7.6 x 2 kN
11 Third Stage: PS3
12 The third stage of PSLV is a solid rocket motor that provides the upper stages high thrust after the atmospheric phase of the launch.
13 Fuel      : HTPB
14 Max. Thrust : 240 kN
15 Second Stage: PS2
16 PSLV uses an Earth storable liquid rocket engine for its second stage, know as the Vikas engine, developed by Liquid Propulsion Systems Centre.
17 Engine : Vikas
18 Fuel      : UDMH + N2O4
19 Max. Thrust : 799 kN
20 First Stage: PS1
21 PSLV uses the S139 solid rocket motor that is augmented by 6 solid strap-on boosters.
22 Engine : S139
23 Fuel      : HTPB
24 Max. Thrust : 4800 kN
```

# CREATE A NEW REPOSITORY AND NAMED AS SPEED. ADD THE “FULL PARAM.TXT” FILE AND “VEHICLE\_SPEED.TXT”

```
TAMIL SELVAN@LovelyTamil MINGW64 ~ (master)
$ cd "D:/speed"

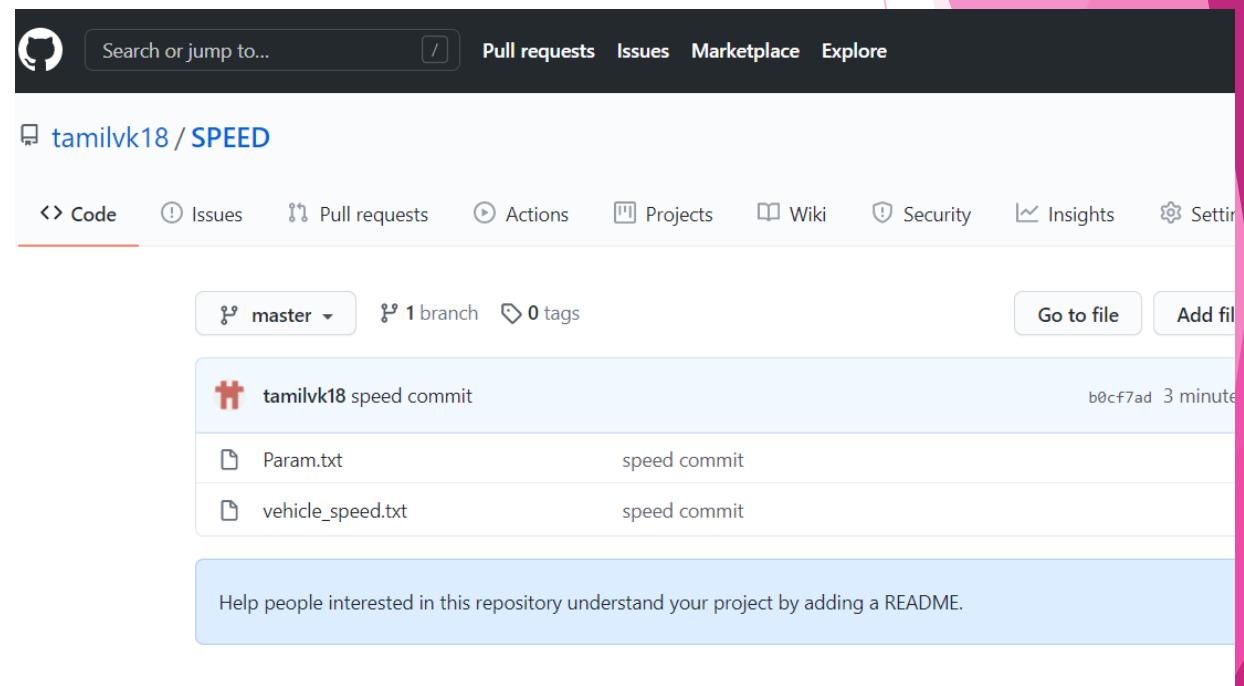
TAMIL SELVAN@LovelyTamil MINGW64 /d/speed
$ dir
Param.txt  vehicle_speed.txt

TAMIL SELVAN@LovelyTamil MINGW64 /d/speed
$ git init
Initialized empty Git repository in D:/speed/.git/
TAMIL SELVAN@LovelyTamil MINGW64 /d/speed (master)
$ git add .

TAMIL SELVAN@LovelyTamil MINGW64 /d/speed (master)
$ git commit -m "speed commit"
[master (root-commit) b0cf7ad] speed commit
 2 files changed, 25 insertions(+)
 create mode 100644 Param.txt
 create mode 100644 vehicle_speed.txt

TAMIL SELVAN@LovelyTamil MINGW64 /d/speed (master)
$ git remote add origin https://github.com/tamilvk18/SPEED.git

TAMIL SELVAN@LovelyTamil MINGW64 /d/speed (master)
$ git push -u origin master
Enumerating objects: 4, done.
Counting objects: 100% (4/4), done.
Delta compression using up to 8 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (4/4), 716 bytes | 358.00 KiB/s, done.
Total 4 (delta 0), reused 0 (delta 0), pack-reused 0
To https://github.com/tamilvk18/SPEED.git
 * [new branch]      master -> master
Branch 'master' set up to track remote branch 'master' from 'origin'.
```



# MAKING THE CHANGES IN THE PARAM.TXT AND CREATED PULL REQUEST FROM SAM AND MERGE IT

Thurst and Speed #1

**Open** Samversioncontrol wants to merge 2 commits into `tamilvk18:master` from `Samversioncontrol:master`

Conversation 0 Commits 2 Checks 0 Files changed 1

Samversioncontrol commented 3 hours ago  
No description provided.

Samversioncontrol added 2 commits 3 hours ago

- Update Param.txt (Verified) 2de86bd
- Update Param.txt (Verified) abb43fa

Add more commits by pushing to the `master` branch on [Samversioncontrol/VEHICLE](#).

Continuous integration has not been set up  
[GitHub Actions](#) and [several other apps](#) can be used to automatically catch bugs and enforce style.

This branch has no conflicts with the base branch  
Merging can be performed automatically.

**Merge pull request** ▾ You can also open this in [GitHub Desktop](#) or view [command line instructions](#).

master 5 branches 0 tags

tamilvk18 Merge pull request #1 from Samversioncontrol/master ...  
Merge pull request #1 from Samversioncontrol/master  
Thurst and Speed

Param.txt Update Param.txt 3 hours ago

Help people interested in this repository understand your project by adding a README. **Add a README**

## SPEED CHANGES ARE UPDATED

# INCLUDING THE MIT LICENSE

The screenshot shows a GitHub repository named `tamilvk18 / VEHICLE`. The user is viewing the `LICENSE` file. The code editor displays the following content:

```
1 MIT License
2
3 Copyright (c) 2020 tamilvk18
4
5 Permission is hereby granted, free of charge, to any
6 of this software and associated documentation files (
7 in the Software without restriction, including without
8 to use, copy, modify, merge, publish, distribute, sub-
9 copies of the Software, and to permit persons to whom
10 furnished to do so, subject to the following condition:
11
12 The above copyright notice and this permission notice
13 copies or substantial portions of the Software.
14
15 THE SOFTWARE IS PROVIDED "AS IS", WITHOUT WARRANTY OF
16 IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF
17 FITNESS FOR A PARTICULAR PURPOSE AND NONINFRINGEMENT.
18 AUTHORS OR COPYRIGHT HOLDERS BE LIABLE FOR ANY CLAIM,
19 LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR
20 OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE
21 OF THE SOFTWARE.
22
```

Below the code editor, the repository's main page is visible, showing the `LICENSE` file was committed 3 hours ago by `tamilvk18` with 10 commits. The commit message is `MIT License`. The file `Param.txt` was also updated 3 hours ago.

Help people interested in this repository understand your project by adding a README.

Add a README

# CREATE THE README FILE WITH THAT CONTENT

Issues Pull requests Actions Projects Wiki Security Insights Settings

master ▾ 5 branches 0 tags Go to file Add file ▾ Code ▾

tamilvk18 Readme File 6e67d9f 3 hours ago 11 commits

LICENSE	MIT License	3 hours ago
Param.txt	Update Param.txt	3 hours ago
README.md	Readme File	3 hours ago

README.md

**VEHICLE**

**ISRO API**

Open Source API for Launched Spacecrafts & Rockets data of ISRO

##API End-Points

- Spacecrafts: [isro.vercel.app/api/spacecrafts](https://isro.vercel.app/api/spacecrafts)
- Launchers: [isro.vercel.app/api/launchers](https://isro.vercel.app/api/launchers)
- Launchers: [isro.vercel.app/api/customer\\_satellites](https://isro.vercel.app/api/customer_satellites)

# GRAPHICAL VIEW OF COMMITS MADE IN BOTH REPOSITORY

Readme File

 tamilvk18 committed 3 hours ago

MIT License

 tamilvk18 committed 3 hours ago

Merge pull request #1 from Samversioncontrol/master 

 tamilvk18 committed 3 hours ago

First Stage PS1

 tamilvk18 committed 19 hours ago

Second Stage PS4

 tamilvk18 committed 19 hours ago

Third Stage PS3

 tamilvk18 committed 19 hours ago

Fourth Stage PS4

 tamilvk18 committed 19 hours ago

Base Param

 tamilvk18 committed 19 hours ago

vis commit

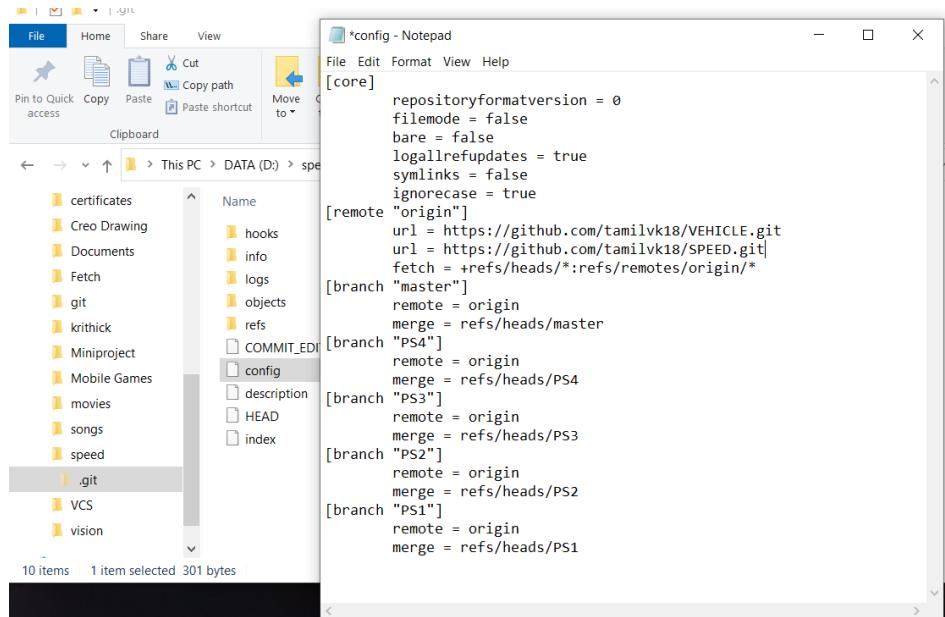
 tamilvk18 committed 4 hours ago

speed commit

 tamilvk18 committed 6 hours ago

# CREATE A NEW FILE NAMED VISION.TXT AND ADD IT TO THE BOTH REPOSITORY

 vision - Notepad  
File Edit Format View Help  
Our vision is to harness space technology for national development, while pursuing space science research and planetary exploration.



 MINGW64:/d/Miniproject  
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (master)  
\$ git remote -v  
origin https://github.com/tamilvk18/VEHICLE.git (fetch)  
origin https://github.com/tamilvk18/VEHICLE.git (push)  
origin https://github.com/tamilvk18/SPEED.git (push)  
  
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (master)  
\$ git pull origin master  
From https://github.com/tamilvk18/VEHICLE  
 \* branch master -> FETCH\_HEAD  
Already up to date.  
  
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (master)  
\$ git push origin master  
Enumerating objects: 8, done.  
Counting objects: 100% (8/8), done.  
Delta compression using up to 8 threads  
Compressing objects: 100% (5/5), done.  
Writing objects: 100% (5/5), 672 bytes | 672.00 KiB/s, done.  
Total 5 (delta 1), reused 0 (delta 0), pack-reused 0  
remote: Resolving deltas: 100% (1/1), completed with 1 local object.  
To https://github.com/tamilvk18/VEHICLE.git  
 6e67d9f..3b7ef64 master -> master  
To https://github.com/tamilvk18/SPEED.git

# VISION FILE IS ADDED TO BOTH REPOSITORY

The image shows two GitHub repository pages side-by-side.

**Left Repository: VEHICLE**

- Code tab is active.
- Master branch: 5 branches, 0 tags.
- Recent commit by **tamilvk18**: Merge branch 'master' of https://github.com/tamilvk18/VEHICLE (3b7ef64, 5 minutes ago, 13 commits).
- Files listed: LICENSE (MIT License, 3 hours ago), Param.txt (Update Param.txt, 3 hours ago), README.md (Readme File, 3 hours ago), and vision.txt (vis commit, 7 minutes ago).
- README.md content: **VEHICLE**
- ISRO API section: Open Source API for Launched Spacecrafts & Rockets data of ISRO.

**Right Repository: SPEED**

- Code tab is active.
- Master branch: 1 branch, 0 tags.
- Recent commit by **tamilvk18**: vis commit (b9456ed, 1 minute ago, 2 commits).
- Files listed: Param.txt (speed commit, 3 hours ago), vehicle\_speed.txt (speed commit, 3 hours ago), and vision.txt (vis commit, 1 minute ago).
- A message at the bottom: Help people interested in this repository understand your project by adding a README.
- A green button: Add a README.

# CREATE A GIT IGNORE FILE

MINGW64:/d/Miniproject

```
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (master)
$ touch .gitignore

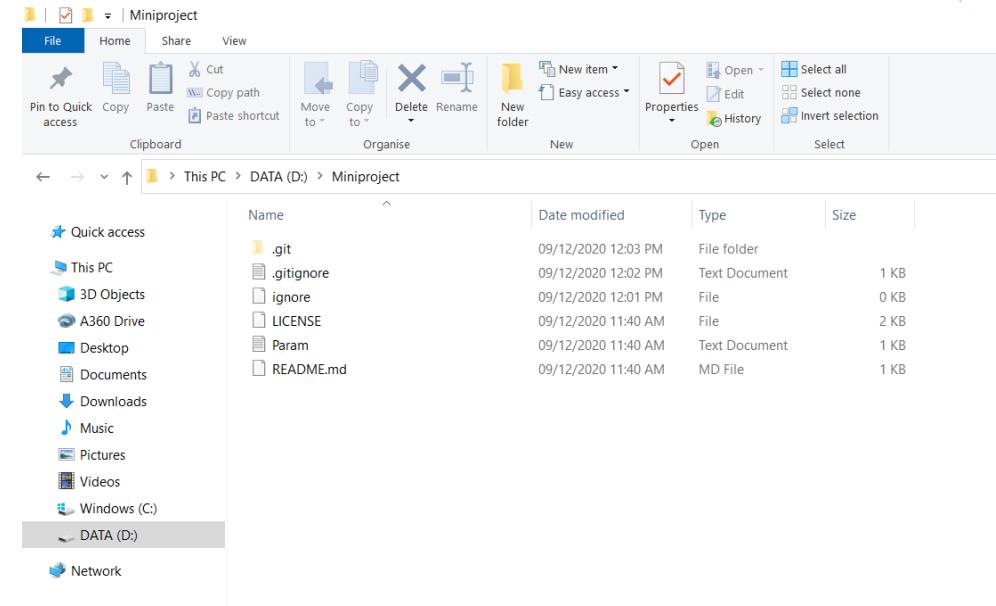
TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (master)
$ start .gitignore

TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (master)
$ git add .gitignore

TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (master)
$ git commit -m "ignorefile"
[master 20f099c] ignorefile
 1 file changed, 1 insertion(+)
 create mode 100644 .gitignore

TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (master)
$ git ls-files --ignore --exclude-standard

TAMIL SELVAN@LovelyTamil MINGW64 /d/Miniproject (master)
$
```



THANK YOU