Run a program using git commands only

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~ (main)

$ cd "C:/Users/Varnika Mulay/Downloads"

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads (master)

$ python factorial_program.py

Enter number: 7

Factorial of 7 is: 5040

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads (master)

$ python factorial_program.py

Enter number: -1

Negative number!

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads (master)

$ python factorial_program.py

Enter number: 0

Factorial of 0 is 1

Implementing git commands to access and update GitHub repository

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~ (main)

$ cd "C:/Users/Varnika Mulay/Downloads"

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads (master)

$ git init

Reinitialized existing Git repository in C:/Users/Varnika Mulay/Downloads/.git/

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads (master)

$ git clone "https://github.com/Varnika-M-2004/coursera"

Cloning into 'coursera'...

remote: Enumerating objects: 14, done.

remote: Counting objects: 100% (14/14), done.

remote: Compressing objects: 100% (10/10), done.

remote: Total 14 (delta 1), reused 8 (delta 0), pack-reused 0

Receiving objects: 100% (14/14), done.

Resolving deltas: 100% (1/1), done.

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads (master)

$ cd coursera

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/coursera (main)

$ git status

On branch main

Your branch is up to date with 'origin/main'.

nothing to commit, working tree clean

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/coursera (main)

$ git add example.py

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/coursera (main)

$ nano example.py

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/coursera (main)

$ git status

On branch main

Your branch is up to date with 'origin/main'.

Changes not staged for commit:
  (use "git add <file>..." to update what will be committed)
  (use "git restore <file>..." to discard changes in working directory)
        modified: example.py

no changes added to commit (use "git add" and/or "git commit -a")

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/coursera (main)
$ git commit -m "Update example.py file"
[main a9441ca] Update example.py file
 1 file changed, 1 insertion(+)

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/coursera (main)
$ git push origin main
Enumerating objects: 5, done.
Counting objects: 100% (5/5), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (3/3), 396 bytes | 396.00 KiB/s, done.
Total 3 (delta 1), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Resolving deltas: 100% (1/1), completed with 1 local object.
To https://github.com/Varnika-M-2004/coursera
   bba5806..a9441ca main -> main

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/coursera (main)
$ git remote -v
origin https://github.com/Varnika-M-2004/coursera (fetch)

origin https://github.com/Varnika-M-2004/coursera (push)

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/coursera (main)

$ git log

commit a9441ca2573b40ff935060e36972f100aeb0c779 (HEAD -> main, origin/main, origin/HEAD)

Author: Varnika-M-2004 <88385934+Varnika-M-2004@users.noreply.github.com>

Date: Tue Jul 2 20:02:12 2024 +0530

    Update example.py file

commit bba58065a484b84e14592d5fefbc073df3964164

Merge: 5c58348 5cf6d4d

Author: Varnika Mulay <varni.mulay@gmail.com>

Date: Thu Aug 5 05:11:16 2021 +0000

    Merge branch 'main' of https://github.com/Varnika-M-2004/coursera into main

commit 5cf6d4db42d4350ccc595228646680dc9f508600

Author: Varnika-M-2004 <88385934+Varnika-M-2004@users.noreply.github.com>

Date: Thu Aug 5 10:40:07 2021 +0530

    My first commit.

commit 5c58348dcf65c53a05a9874463fb283e9cccaf29

Author: Varnika Mulay <varni.mulay@gmail.com>

Date: Thu Aug 5 05:07:46 2021 +0000

    I have added a few more lines.

:...skipping...

commit a9441ca2573b40ff935060e36972f100aeb0c779 (HEAD -> main, origin/main, origin/HEAD)

Author: Varnika-M-2004 <88385934+Varnika-M-2004@users.noreply.github.com>

Date: Tue Jul 2 20:02:12 2024 +0530

    Update example.py file

commit bba58065a484b84e14592d5fefbc073df3964164

Merge: 5c58348 5cf6d4d

Author: Varnika Mulay <varni.mulay@gmail.com>

Date: Thu Aug 5 05:11:16 2021 +0000

    Merge branch 'main' of https://github.com/Varnika-M-2004/coursera into main

commit 5cf6d4db42d4350ccc595228646680dc9f508600

Author: Varnika-M-2004 <88385934+Varnika-M-2004@users.noreply.github.com>

Date: Thu Aug 5 10:40:07 2021 +0530

    My first commit.

commit 5c58348dcf65c53a05a9874463fb283e9cccaf29

Author: Varnika Mulay <varni.mulay@gmail.com>

Date: Thu Aug 5 05:07:46 2021 +0000

    I have added a few more lines.

commit 708f43f0bf2899395df83575b6989f1f0dd76c58

Author: Varnika Mulay <varni.mulay@gmail.com>

Date: Thu Aug 5 05:05:20 2021 +0000

    I am editing the README file.

commit 74e5ab38540658a236021ca003c701857f0fead6

Author: Varnika-M-2004 <88385934+Varnika-M-2004@users.noreply.github.com>

Date: Thu Aug 5 10:30:00 2021 +0530

    Initial commit

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/coursera (main)

$ git pull

Already up to date.

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/coursera (main)

$ git branch

* main

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/coursera (main)

$ git diff

Varnika Mulay@LAPTOP-S6R999J0 MINGW64 ~/Downloads/coursera (main)

$