



# Command Line Interface Esercitazione

Giuseppe Colavito



# Requisiti



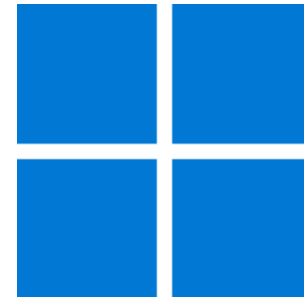
## Unix

- Linux
- MacOS




## Windows

- WSL
- GitBash





# WSL --install (recommended)

- Apri PowerShell come amministratore 
- `wsl --list --online`
- Seleziona la distribuzione linux da installare
- `wsl --install <NOME DISTRIBUZIONE>`

```
PS C:\WINDOWS\system32> wsl --install Ubuntu-22.04
```



# git bash install

- <https://git-scm.com/downloads>

The screenshot shows the Git website's Downloads page. The header features the Git logo and the tagline "--everything-is-local". A search bar is located in the top right corner. The left sidebar contains links for "About", "Documentation", "Downloads" (highlighted), "GUI Clients", "Logos", and "Community". The main content area is titled "Downloads" and lists operating systems: macOS, Windows, and Linux/Unix. A monitor graphic displays the "Latest source Release 2.39.2" with a "Download for Windows" button. A note mentions that older releases are available and the source repository is on GitHub. A footer note states that the "Pro Git book" by Scott Chacon and Ben Straub is available to read.

**git** --everything-is-local

Search entire site...

**About**  
**Documentation**  
**Downloads**  
GUI Clients  
Logos  
**Community**

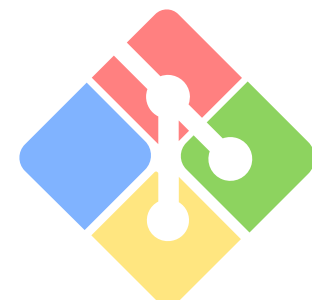
## Downloads

🍏 macOS    🪟 Windows  
🐧 Linux/Unix

Latest source Release  
**2.39.2**  
[Release Notes \(2023-02-06\)](#)  
[Download for Windows](#)

Older releases are available and the [Git source repository](#) is on GitHub.

The entire [Pro Git book](#) written by Scott Chacon and Ben Straub is available to [read](#)





# Esercitazione

- whatis
  - whatis whatis
  - whatis vim
  - whatis cat
  - whatis -h
- which
  - whatis which
  - which whatis
  - which git
  - ...



# Esercitazione

- mkdir
  - mkdir esercitazione1 esercitazione2 esercitazione3
- cd
  - cd esercitazione1
  - cd ..
- touch
  - touch esercitazione1/prova.txt
  - touch riprova.txt
- ls
  - ls
  - ls esercitazione1



# Esercitazione

- clear
- pwd
- rm
  - rm riprova.txt
  - rm esercitazione2
  - rm -d esercitazione2
  - rm -d esercitazione1
  - rm -rd esercitazione1



# Esercitazione

- `cp mv`
  - `touch prova.py`
  - `cp prova.py esercitazione3`
  - `mkdir esercitazione4`
  - `mv esercitazione3/prova.py esercitazione4`
  - `mv prova.py ciao.py`
  - `cp -r esercitazione3 esercitazione4`
- `nano/vim/code`
  - `nano ciao.py`
  - `code esercitazione3/prova.py`





# Esercitazione

- cat less more ...
  - cat ciao.py
  - less esercitazione3/prova.py
- grep
  - grep "fibonacci" ciao.py
  - grep -rl "fibonacci" .
- diff
  - diff ciao.py esercitazione3/prova.py
- file
  - file ciao.py



# Esercitazione

- find
  - find . -name "ciao.py"
  - find . -name "\*.py"
- ping
  - ping google.com
  - ping facebook.com
- top htop
- wget
- curl



# Link utili

- <https://github.com/ldnan/bash-guide>
- <https://clig.dev/>
- <https://www.git-tower.com/blog/command-line-cheat-sheet/>