

# Day 1 VC

## Mohamed Kotb Mohamed Elsheikh

### 1. What is Git?

Git is a **Distributed Version Control System (DVCS)** used to track changes in source code and collaborate with others.

### 2. Git is the same as GitHub? True or False

**False**, Git = version control tool. ,GitHub = hosting service for Git repositories + collaboration feature

### 3. What is the command to get the installed version of Git?

`git --version`

### 4. Which option should you use to set the default user name for every repository on your computer?

- No need to specify, that is the default
- --A
- --global
- --all

### 5. What is the command to set the user email for the current repository?

- `git config email`
- `git config user.email`
- `git email.user`

**6. What is the command to add all files and changes of the current folder to the staging environment of the Git repository?**

- `git add -all`
- `git add`
- `git add --files`

**7. What is the command to get the current status of the Git repository?**

- `git config --status`
- `git status`
- `git getStatus`
- `--status`

**8. What is the command to initialize Git on the current repository?**

- `git init`
- `git start`
- `start git`
- `initialize git`

**9. Git automatically adds new files to the repository and starts tracking them.? True or False**

False, You must explicitly run `git add` to start tracking new file

**10. What is the command to commit the staged changes for the Git repository?**

`git commit`

**11. What is the command to commit with the message "New email":**

`git commit -m "New email"`

**12. What is the command to view the history of commits for the repository?**

`git log`

**13. In Git, a branch is:**

- A secret part of Git config.
- A small wooden stick you can use to type commands.
- Nothing, it is a nonsense word.
- A separate version of the main repository

**14. What is the command to create a new branch named "new-email"?**

`git branch new-email`

**15. What is the command to move to the branch named "new-email"?**

`git switch new-email`

**16. What is the command to merge the current branch with the branch "new-email"?**

`git merge new-email`