

Assignment instructions

20 minutes to complete 48 student solutions

Prerequisites

- Git installed (Git Bash on Windows, Terminal on macOS/Linux).
- Basic terminal navigation.

Instructions

Task 1 — Create a Local Project Directory

We'll simulate the creating a new **CodeTrack** project for new development.

- Navigate to your preferred working location (Documents/Desktop/projects).

Windows (Command Prompt or PowerShell):

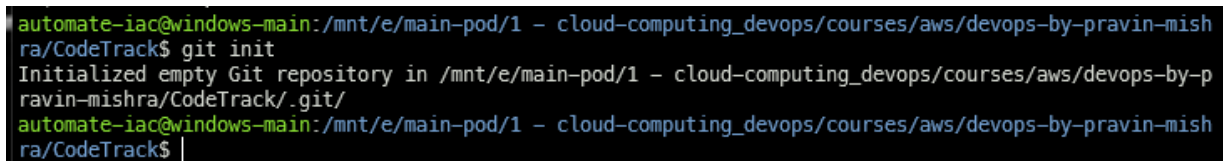
```
mkdir CodeTrack  
cd CodeTrack
```

macOS/Linux (Terminal):

```
mkdir CodeTrack && cd CodeTrack
```

Initialize Git:

```
git init
```



```
automate-iac@windows-main:/mnt/e/main-pod/1 - cloud-computing_devops/courses/aws/devops-by-pravin-mishra/CodeTrack$ git init  
Initialized empty Git repository in /mnt/e/main-pod/1 - cloud-computing_devops/courses/aws/devops-by-pravin-mishra/CodeTrack/.git/  
automate-iac@windows-main:/mnt/e/main-pod/1 - cloud-computing_devops/courses/aws/devops-by-pravin-mishra/CodeTrack$
```

Expected:

Initialized empty Git repository in .../CodeTrack/.git/

(Optional check)

```
ls -la # or: dir /a (Windows)
```

You should see a hidden `.git` folder.

Note: Take the screenshot of `git init` for assignment submission.

Task 2 — Configure Git Locally for CodeTrack

Configure identity **only for this repo** (recommended for team/enterprise scenarios when identities differ by project).

```
git config --local user.name "Derek Owusu Bekoe"  
git config --local user.email  
"cloudengiacderekowusubekoe@users.noreply.github.com"  
git config --local --list
```

```

automate-iac@windows-main:/mnt/e/main-pod/1 - cloud-computing_devops/courses/aws/devops-by-pravin-mish
ra/CodeTrack$ git config --local --list
core.repositoryformatversion=0
core.filemode=false
core.bare=false
core.logallrefupdates=true
core.ignorecase=true
user.name=Derek Owusu Bekoe
user.email=cloudengiacderekowusubekoe@users.noreply.github.com

```

Expected: output includes:

```

user.name=Your Name
user.email=your.email@example.com

```

Tip: If you'll push to GitHub and want to keep your email private, use GitHub's noreply email (e.g., `12345678+username@users.noreply.github.com`).

Note: Take the screenshot of `git config --local --list` for assignment submission.

Task 3 — Configure Git Globally (Optional, Recommended)

Sets your default identity for **all repos** on this machine.

```

git config --global user.name "Derek Owusu Bekoe"
git config --global user.email
"cloudengiacderekowusubekoe@users.noreply.github.com"
git config --global --list

```

```

automate-iac@windows-main:/mnt/e/main-pod/1 - cloud-computing_devops/courses/aws/devops-by-pravin-mish
ra/CodeTrack$ git config --global --list
user.email=cloudengiacderekowusubekoe@users.noreply.github.com
user.name=Derek Owusu Bekoe
credential.helper=store
init.defaultbranch=main

```

Expected: output lists your global `user.name` and `user.email`.

When to use which?

- **Global:** your standard identity across personal projects.
- **Local:** override per project (e.g., work vs personal).

Note: Take the screenshot of `git config --global --list` for assignment submission.

How to Submit Your Assignment?

Live Cohort Students:

If you are part of the live cohort, please follow the assignment submission guidelines as [explained here](#).

Self-Paced on Udemy:

If you are taking the course self-paced on Udemy, submit the assignment by clicking “**Next**” and answering the provided questions.

Questions for this assignment

Initialize the CodeTrack Repository

- Create a new folder named CodeTrack.
- Initialize it as a Git repository using git init.

```
automate-iac@windows-main:/mnt/e/main-pod/1 - cloud-computing_devops/courses/aws/devops-by-pravin-mishra/CodeTrack$ git init
Initialized empty Git repository in /mnt/e/main-pod/1 - cloud-computing_devops/courses/aws/devops-by-pravin-mishra/CodeTrack/.git/
automate-iac@windows-main:/mnt/e/main-pod/1 - cloud-computing_devops/courses/aws/devops-by-pravin-mishra/CodeTrack$
```

- Upload a screenshot showing the terminal with the initialized repository (Initialized empty Git repository...) or the .git folder listed with ls -la

Configure Git Locally

- Inside the CodeTrack repository, set up your **local Git identity** with your name and email.
- Run git config --local --list to verify.

```
automate-iac@windows-main:/mnt/e/main-pod/1 - cloud-computing_devops/courses/aws/devops-by-pravin-mishra/CodeTrack$ git config --local --list
core.repositoryformatversion=0
core.filemode=false
core.bare=false
core.logallrefupdates=true
core.ignorecase=true
user.name=Derek Owusu Bekoe
user.email=cloudengiacderekowusubekoe@users.noreply.github.com
```

- Upload a screenshot showing your configured user.name and user.email.

Configure Git Globally

- Set up your **global Git identity** (name and email).
- Run git config --global --list to verify.

```
automate-iac@windows-main:/mnt/e/main-pod/1 - cloud-computing_devops/courses/aws/devops-by-pravin-mishra/CodeTrack$ git config --global --list
user.email=cloudengiacderekowusubekoe@users.noreply.github.com
user.name=Derek Owusu Bekoe
credential.helper=store
init.defaultbranch=main
```

- Answer in 1–2 sentences: When would you prefer to use **local configuration** instead of global configuration?

Global configuration (`git config --global`) applies to all repositories for your user account on that machine. Examples: user name, email, default editor.

Local configuration (`git config --local` or simply `git config` inside a repo) applies only to that specific repository.