DevOps Task 4

Version-Controlled Project

Objective

Build and manage a DevOps project using Git and GitHub best practices including branching, commits, tags, and documentation.

Tools Used

* Git
* GitHub

Branch Strategy

* Main : Production-ready code
* dev : Development integration
* feature : Individual features

Features Implemented

* Feature branches created for each task
* Pull Requests used to merge into dev
* Merges from dev to main after final review

Versioning

-v1.0 : First stable version tagged

Files

* .gitignore added to ignore unnecessary files
* This `README.md` to document the project

How to Use

1. Clone the repository:

git clone https://github.com/Hiba1311/devops-task4

cd Devops-task4

2. Create a new feature branch:

git checkout -b feature/my-feature

3. Add your changes and commit:

git add .

git commit -m "Add: <describe your feature>"

4. Push your branch:

git push origin feature/my-feature

5. Create a Pull Request on GitHub to merge into dev

6. After testing, merge dev into main

Versioning

Git tags are used to track project releases:

* git tag -v1.0
* git push origin v1.0

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