

## ASDT Exercise Report

# ASDT Exercise Report

### Repository: ASDT\_4

#### Initial Setup

- Create a Private Repository: Created a private repository named ASDT\_4 on GitHub.
- Create Feature Branch: Created a new branch named feature/hello\_world.
- Command: git checkout -b feature/hello\_world
- Create 'Hello world' File: Created a Python file hello\_world.py that displays 'Hello world'.
- Add and Commit File: Added and committed the file to the repository.
- Push Changes to Remote Repo: Pushed the branch to the remote repository.
- Create and Merge Pull Request: Created and merged a pull request into main.

#### Modifying Content

- Create New Branch: Created a new branch named feature/hello\_world\_asdt from main.
- Modify File: Modified hello\_world.py to display 'Hello ASDT world'.
- Add and Commit File: Added and committed the modified file.
- Push Changes: Pushed the branch and created a pull request, merging into main.

#### Stashing Changes

- Modify File: Modified hello\_world.py to display 'Hello ASDT world with stashing'.
- Use git status and git diff: Checked the status and differences in the repository.
- Stash Changes: Stashed the changes.
- Push Changes: Pushed and merged feature/hello\_world\_asdt into main.

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### Applying Stashed Changes

- Create New Branch: Created feature/hello\_world\_asdt\_stashing and applied stashed changes.
- Resolve Merge Conflicts: Resolved conflicts in hello\_world.py and committed changes.
- Push Changes: Pushed the branch and created a pull request, merging into main.

### Final Steps

- Add REPORT.pdf to the Repository: Added and committed the REPORT.pdf confirming completion.
- Add REPORT.pdf to MS Teams: Uploaded REPORT.pdf to Tasks in MS Teams.

### Appendix: Code and Commands

Initial hello\_world.py Content:

```
print("Hello world")
```

Modified hello\_world.py Content:

```
print("Hello ASDT world")
```

hello\_world.py with Stashing:

```
print("Hello ASDT world with stashing")
```