

## Using Git Hooks for Automated Checks - Task 8

### Setting up a pre-commit hook that checks for Python syntax errors before committing :

- Creating a pre-commit hook in .git/hooks directory :

```
karur@Leviosa MINGW64 /c/k/Presidio/Git/Task8 (master)
$ cd .git/hooks

karur@Leviosa MINGW64 /c/k/Presidio/Git/Task8/.git/hooks (GIT_DIR!)
$ touch pre-commit
```

- Editing the pre-commit file :

```
karur@Leviosa MINGW64 /c/k/Presidio/Git/Task8/.git/hooks (GIT_DIR!)
$ nano pre-commit
```

- Making the pre-commit file executable so Git can run it:

```
karur@Leviosa MINGW64 /c/k/Presidio/Git/Task8/.git/hooks (GIT_DIR!)
$ chmod +x pre-commit
```

- Testing the pre-commit hook by adding a python file (with syntax error) :

```
karur@Leviosa MINGW64 /c/k/Presidio/Git/Task8 (master)
$ git add testfile1.py
```

- Committing changes :

```
karur@Leviosa MINGW64 /c/k/Presidio/Git/Task8 (master)
$ git commit -m "Testing pre-commit hook"
Checking testfile1.py for syntax errors...
Syntax error in testfile1.py. Commit Aborted.
```

Since the python file “testfile1.py” has a syntax error, the commit has been aborted.