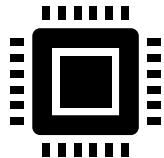


Lab 6



CSE233: Agile

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22P0047

Exercise 1: Run Automated Tests

The screenshot shows a web browser window with several tabs open at the top. The active tab is titled "Add workflow to run pytest · yo...". The main content area displays the GitHub Actions interface for a workflow named "test".

Workflow Summary:

- Job:** test
- Status:** succeeded now in 8s
- Logs:** Search logs

Workflow Details:

Step	Description	Duration
Set up job		0s
Checkout Repository		1s
Set up Python		0s
Install dependencies		3s
Run pytest		1s
Post Set up Python		0s
Post Checkout Repository		0s
Complete job		0s

Exercise 2: Using Matrix Build Across Operating Systems

The screenshot shows a GitHub Actions run summary for a workflow named "Run tests on Ubuntu, Windows, and macOS #2". The run was triggered via push 1 minute ago by the user "youssef-elshorbagy" to the main branch. The status is Success, and the total duration was 46s. The workflow file is named "pytest.yml" and contains a matrix test section. The matrix results show three jobs: test (macos-latest) completed in 26s, test (ubuntu-latest) completed in 11s, and test (windows-latest) completed in 41s. All jobs are marked as successful.

Job	OS	Duration	Status
test (macos-latest)	macOS	26s	Success
test (ubuntu-latest)	Ubuntu	11s	Success
test (windows-latest)	Windows	41s	Success

Exercise 3: Uploading an Artifact

The screenshot shows a CI pipeline summary. At the top, it displays a summary card with the following details:

- Triggered via push 5 minutes ago
- youssef-elshorbagy pushed → 0ed684a main
- Status: Success
- Total duration: 47s
- Artifacts: 3

Below this, there are two main sections:

- pytest.yml** (on: push):
 - Matrix: test
 - 3 jobs completed
 - Show all jobs
- Artifacts** (Produced during runtime):

Name	Size	Digest	Download	Open
pytest-report_macos-latest	402 Bytes	sha256:c43c7cc4d30a7facdad152b045e697e826251d502ee...	Download	Open
pytest-report_ubuntu-latest	361 Bytes	sha256:4c1aa5180466391d2ea5421e7e7197c4ec1c90303e7...	Download	Open
pytest-report_windows-latest	361 Bytes	sha256:165015a2cc5e01c89dd8bb85db67b2bc0be8771838...	Download	Open

And finally, the downloaded pytest-report.xml

The screenshot shows a code editor displaying the contents of a `pytest-report.xml` file. The file contains XML output from a pytest run, showing test results for different test cases across various environments.

```
<?xml version="1.0" encoding="utf-8"?><testsuites name="pytest tests"><testsuite name="pytest" errors="0" failures="0" skipped="0" tests="2" time="0.029" timestamp="2025-11-02T17:24:43.403085+00:00" hostname="runnervm8crnl">< testcase classname="scripts.test_math_utils" name="test_add" time="0.001" />< testcase classname="scripts.test_math_utils" name="test_subtract" time="0.001" /></testsuite></testsuites>
```