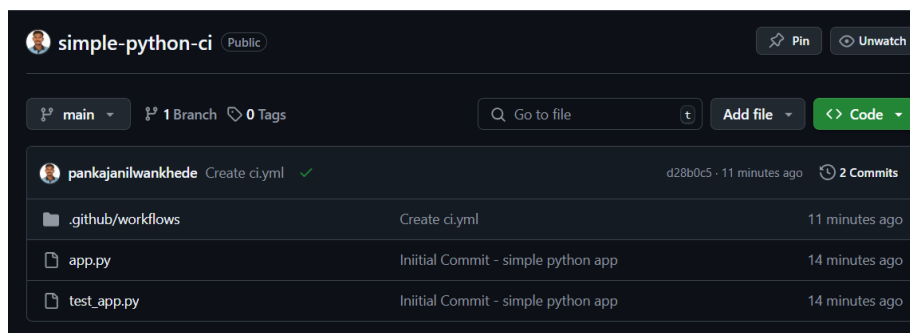# 1. Continuous Integration (CI)

Task 1: Set Up a CI Pipeline Objective: Set up a basic CI pipeline that builds a project automatically whenever new code is pushed.

Step 1 : Created a simple application (Python)

```python
test_app.py > ...
1    import app
2
3  ∨ def test_add():
4        assert app.add(2, 3) == 5
5
```
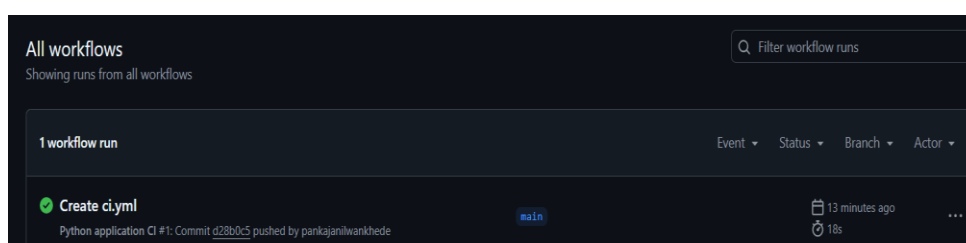
```python
app.py > ...
1    def add(a, b):
2        return a + b
3
4    if __name__ == "__main__":
5        print("2 + 3 =", add(2, 3))
6
```

Step 2 : set up a github repository

Step 3 : Configure CI Pipeline