```python
# Implementation taken from the function at line 462 on CalculatorApp.py
def test_work(self):
    # Calculating the amount of work done in Joule with 30N applied
    # force and 40m of displacement
    # The result should be 1200
    # input1 = applied force
    # input2 = displacement
    input1 = int(30)
    input2 = int(40)
    work_formula = input1 * input2
    self.assertEqual(work_formula, 1200, "Should be 1200")
```

Figure 1: Example unit test for checking the correctness for work calculation in physics. All the other unit tests for checking this correctness attribute follows the same template.

```
C:\Users\efeoz\PycharmProjects\PracticalStudentCalculator\venv\Scripts\python.exe "C:/Program Files/JetBrains/PyCharm
Testing started at 19:46 ...
Launching unittests with arguments python -m unittest test.TestSum in C:\Users\efeoz\PycharmProjects\PracticalStudent



Ran 4 tests in 0.004s

OK

Process finished with exit code 0
```

Figure 2: Runtime of example correctness unit tests from all the 4 categories available on the program.

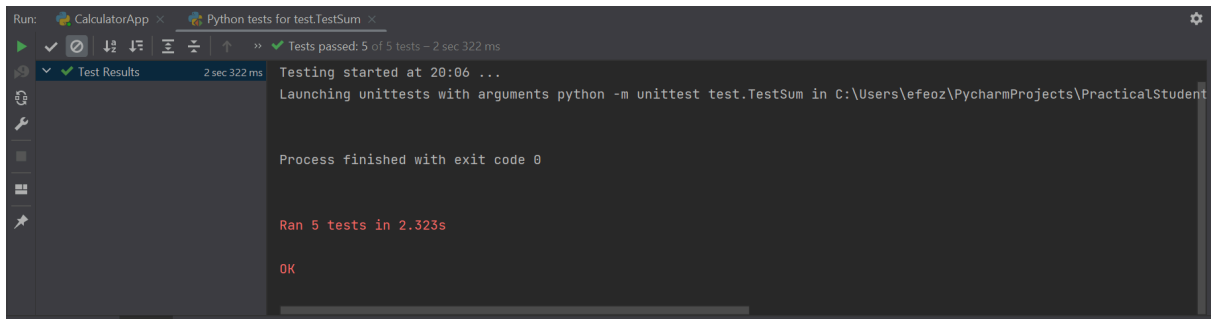Figure 3: Runtime performance test for the syllabic verse calculation algorithm

Figure 4: Total runtime of all the example unit tests provided in test.py