Logo, company name

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**CSCS351: Software Quality Assurance**

**Assignment 1**

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**Submitted To:**

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In this assignment, I used python unit testing framework. The five programs for which I generated the test cases for were:

1. the palindrome
2. even odd
3. Fibonacci series
4. leap year calculation
5. identifying prime number program.

For this purpose, the python’s unittest module was used. All the programs are written in python.

The screenshots of the five programs along with their test cases for both the pass and fail scenarios have been shown.

In the end, all the tests were combined into test suite.

**Screenshots:**

1. **Prime Numbers**

**primeNum.py**

A screenshot of a computer

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**Test\_prime.py**

1. **Test Pass**

Text

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A picture containing timeline

Description automatically generated

1. **Test Fail Scenario:**

Graphical user interface, text

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1. **Fibonacci Series**

**Fibonacci.py**

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**Test\_fib.py**

1. **Test Pass Case**

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**Timeline

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1. **Test Fail Case:**

Text

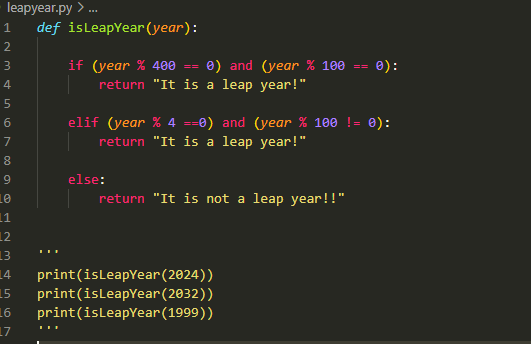
Description automatically generated

Text

Description automatically generated

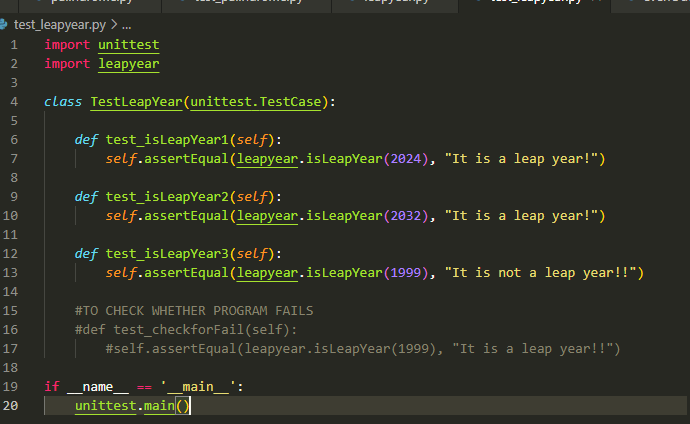
1. **Leap Year Calculation**

**Leapyear.py**



**Test\_leapyear.py**

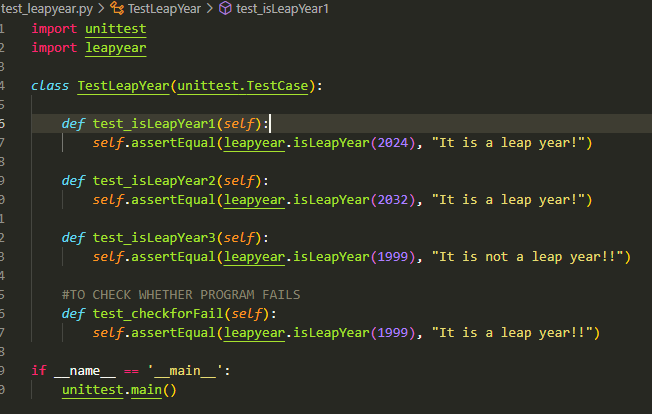
1. **Test Pass**



Text

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1. **Test Fail Case**

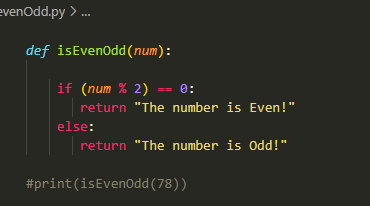


Text

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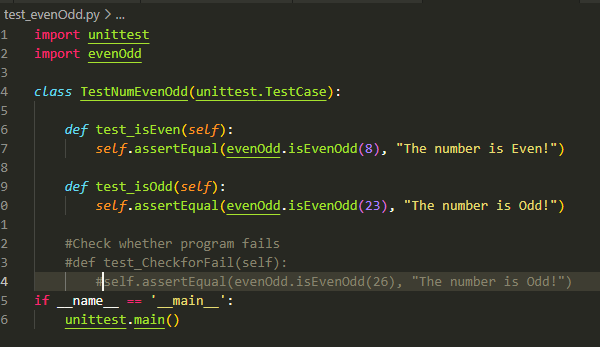
1. **Even Odd**

**evenOdd.py**



**Test\_evenodd.py**

1. **Test Pass**



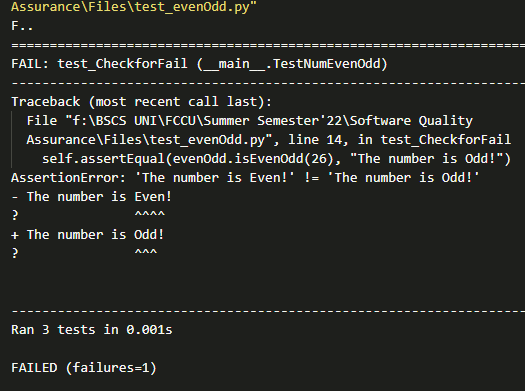
Timeline

Description automatically generated with medium confidence

1. **Test Fail Scenario**

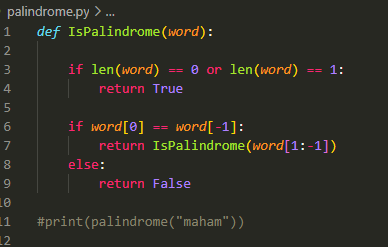
Text

Description automatically generated



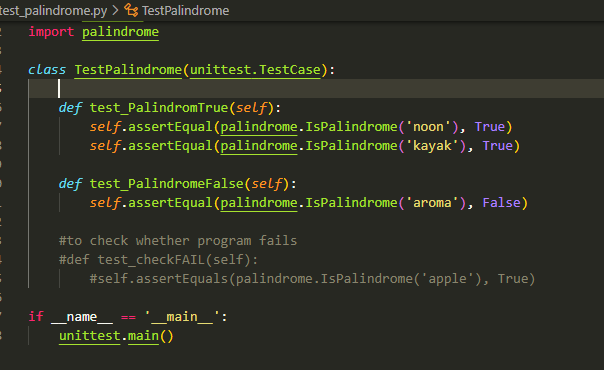
1. **Palindrome**

**Palindrome.py**



**Test\_palindrome.py:**

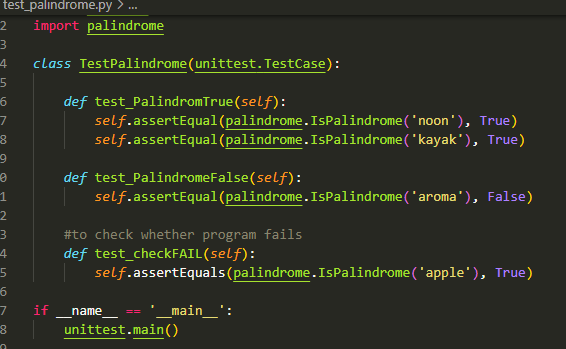
1. **Test Pass**



A picture containing text

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1. **Test Fail**



Text

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**And finally:**

**The Test Suite**

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