**Test Report**

The following program was tested:

def add(a,b):

    return (a + b)

def subtract(a,b):

    return (a-b)

def square(a,b):

    return (a \*\* b)

def mod(a,b):

    return (a%b)

def multiply(a,b):

    return (a \* b)

The following were the test cases:

import unittest

import calculations

class testcalc(unittest.TestCase):

    def test\_add(self):

        self.assertEqual(calculations.add(10, 5), 15)

        self.assertEqual(calculations.add(1, 1), 2)

        self.assertEqual(calculations.add(3,5), 8)

    def test\_subtract(self):

        self.assertEqual(calculations.subtract(10, 5), 5)

        self.assertEqual(calculations.subtract(3, 1), 2)

        self.assertEqual(calculations.subtract(13,5), 8)

    def test\_square(self):

        self.assertEqual(calculations.square(2, 3), 8)

        self.assertEqual(calculations.square(1, 1), 1)

        self.assertEqual(calculations.square(3,5), 243)

    def test\_mod(self):

        self.assertEqual(calculations.mod(10, 5), 0)

        self.assertEqual(calculations.mod(2, 1), 0)

        self.assertEqual(calculations.mod(8,3), 2)

    def test\_multiply(self):

        self.assertEqual(calculations.multiply(10, 5), 50)

        self.assertEqual(calculations.multiply(2, 1), 2)

        self.assertEqual(calculations.multiply(8,3), 24)

if \_\_name\_\_ == '\_\_main\_\_':

    unittest.main()

Screen Shot of the Output: A screenshot of a computer

Description automatically generated

While running the test cases successfully, the 5 dots show that all tests are Pass.