The following tests show when programs fail. The failures are defined when actual outputs do not match expected results. Lets look at the following example:

def test\_sum\_tuple(self):

self.assertEqual(sum((1, 2, 2)), 6, "Should be 6")

We are declaring, or asserting, that the sum of 1, 2 & 2 is equal to 6. This is not true as it is equal to 5, so our test results in failure.