Logo

Description automatically generated

**Assignment # 1**

**CSCS 351**

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**TEST SUITE:**

My test suite named: (TestEmployee) consists of 5 test cases names are:

1. test\_get\_name
2. test\_get\_age
3. test\_get\_salary
4. test\_update\_salary
5. test\_get\_bonus

**The Tested Program (employee.py):**

class Employee:

def \_\_init\_\_(self,name,age,salary,phone\_number,bonus):

self.name = name

self.age = age

self.salary = salary

self.phone\_number = phone\_number

self.bonus = bonus

def get\_name(self):

return self.name

def get\_age(self):

return self.age

def get\_salary(self):

return self.salary

def get\_phone\_number(self):

return self.phone\_number

def update\_salary(self):

updated\_salary = self.get\_salary() + self.bonus

return updated\_salary

def get\_bonus(self):

return self.bonus

**The Testing Program (test\_library.py):**

import unittest

from employee import Employee

class TestEmployee(unittest.TestCase):

def setUp(self):

self.e = Employee('Yesheb',23,67000,'0324-4348321',15000)

self.e.get\_name()

self.e.get\_age()

self.e.get\_salary()

self.e.update\_salary()

self.e.get\_bonus()

#test\_case\_1

def test\_get\_name(self):

print('test\_name')

self.assertEqual(self.e.get\_name(), 'Yesheb')

#test\_case\_2

def test\_get\_age(self):

print('test\_age')

self.assertEqual(self.e.get\_age(),23)

#test\_case\_3

def test\_get\_salary(self):

print('test\_salary')

self.assertEqual(self.e.get\_salary(), 67000)

#test\_case\_4

def test\_update\_salary(self):

print('test\_update\_salary')

self.assertEqual(self.e.update\_salary(), 82000)

#test\_case\_5

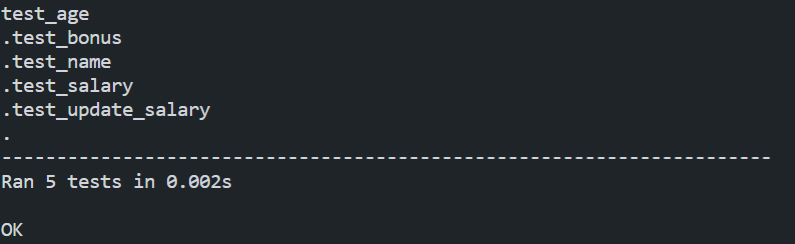
def test\_get\_bonus(self):

print('test\_bonus')

self.assertEqual(self.e.get\_bonus(), 15000)

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

unittest.main()

**Output:**

**Results:**

5 out of 5 test cases are valid!