## 针对计算器的用例的加、减、乘、除功能使用参数化进行测试，并生成测试报告。将测试代码上传到github代码仓库里。

class Calc:  
 def add(self,a,b):  
 return a+b  
  
 def reduce(self,c,d):  
 return c-d  
  
 def ride(self,e,f):  
 return e\*f  
  
 def remove(self,j,k):  
 return j//k

import unittest  
from day15.testdemo.calc import Calc  
from ddt import ddt  
from ddt import data  
from ddt import unpack  
  
*#加*data1=[  
 [1,2,3],  
 [9,-1,8],  
 [-9,8,-1],  
 [0,4,4],  
 [100,100,200]  
]  
@ddt  
class TestCalcAdd(unittest.TestCase):  
 @data(\*data1)  
 @unpack  
 def testAdd(self,s,t,y):  
 a=s  
 b=t  
 p=y  
 calc=Calc()  
  
  
 sum=calc.add(a,b)  
  
 self.assertEqual(p,sum)  
  
  
*#减*data2=[  
 [3,2,1],  
 [9,-1,10],  
 [-9,8,-17],  
 [0,4,-4],  
 [-9,-8,-1]  
]  
@ddt  
class TestCalcReduce(unittest.TestCase):  
 @data(\*data2)  
 @unpack  
 def testAdd(self, s1, t1, y1):  
 c=s1  
 d=t1  
 p1=y1  
 calc=Calc()  
  
  
 send=calc.reduce(c,d)  
  
 self.assertEqual(p1,send)  
  
  
*#乘*data3=[  
 [3,2,6],  
 [9,-1,-9],  
 [-9,-1,9],  
 [0,4,0]  
]  
@ddt  
class TestCalcRide(unittest.TestCase):  
 @data(\*data3)  
 @unpack  
 def testAdd(self, s2, t2, y2):  
 e = s2  
 f = t2  
 p2 =y2  
 calc = Calc()  
  
 mass = calc.ride(e, f)  
  
 self.assertEqual(p2, mass)  
  
  
*#除*data4=[  
 [6,2,3],  
 [9,-1,-9],  
 [-8,-4,2],  
 [0,4,0]  
]  
@ddt  
class TestCalcRemove(unittest.TestCase):  
 @data(\*data4)  
 @unpack  
 def testAdd(self, s3, t3, y3):  
 j = s3  
 k = t3  
 p3 =y3  
 calc = Calc()  
  
 trade = calc.remove(j, k)  
  
 self.assertEqual(p3, trade)

import unittest  
import os  
from HTMLTestRunner import HTMLTestRunner  
  
  
*#创建测试集*suite = unittest.TestSuite()  
  
*#获取加载器*loader = unittest.defaultTestLoader  
  
*#寻找匹配的用例*cases = loader.discover(os.getcwd(),pattern=**"Test\*.py"**)  
*#添加到测试集里*suite.addTest(cases)  
*# 创建HTML运行器*f=open(**"计算器测试报告.html"**, **"w+"**, encoding=**"utf-8"**)  
runner = HTMLTestRunner.HTMLTestRunner(  
 stream = f,  
 title=**"计算器加减乘除法报告"**,  
 description=**"这是一个计算器加减乘除法的报告"**,  
 verbosity=1  
)  
*# 4.用运行器运行测试集*runner.run(suite)