Python: unittest moduli bilan funksiyalarni testlash

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1. unittest nima?
unittest — Python'ning standart testlash moduli bo'lib, siz yaratgan funksiyalar, klasslar va metodlarning to'g'ri i
2. Oddiy funksiyani test qilish
def toq_mi(son):
  return son % 2 == 1
import unittest
from my_module import toq_mi
class TestToqMi(unittest.TestCase):
  def test_toq_son(self):
     self.assertTrue(toq_mi(5))
  def test_juft_son(self):
     self.assertFalse(toq_mi(4))
if __name__ == '__main__':
  unittest.main()
3. Foydali metodlar
- assertEqual(a, b): a == b bo'lsa test o'tadi
- assertTrue(x): x True boʻlsa test oʻtadi
- assertFalse(x): x False bo'lsa test o'tadi
- assertln(x, y): x y ichida bo'lsa
- assertRaises(Error, func, args...): xatolik kutilsa
4. Koʻproq holatlar bilan testlash
class TestToqMi(unittest.TestCase):
  def test_musbat_toq(self):
     self.assertTrue(toq_mi(9))
  def test_musbat_juft(self):
     self.assertFalse(toq_mi(10))
  def test_nol(self):
     self.assertFalse(toq_mi(0))
  def test_manfiy_toq(self):
     self.assertTrue(toq_mi(-3))
  def test_manfiy_juft(self):
     self.assertFalse(toq_mi(-8))
5. Testni terminalda ishga tushirish
Fayl nomi test_toq_mi.py bo'lsa:
python test_toq_mi.py
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6. Xatolik boʻlsa nima boʻladi?

def test\_xato(self):