Министерство науки высшего образования Российской Федерации

ФЕДЕРАЛЬНОЕ ГОСУДАРСТВЕННОЕ АВТОНОМНОЕ ОБРАЗОВАТЕЛЬНОЕ УЧРЕЖДЕНИЕ ВЫСШЕГО ОБРАЗОВАНИЯ

«НАЦИОНАЛЬНЫЙ ИССЛЕДОВАТЕЛЬСКИЙ УНИВЕРСИТЕТ ИТМО» (Университет ИТМО)

Факультет информационных технологий и программирования

Лабораторная работа №5 По дисциплине «ИСРПО»

Знакомство с СІ/СД

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Санкт-Петербург 2024 В гитхабе я зашел в Actions проекта и создал workflow с кодом для запуска тестов

```
name: CI
 push:
   branches:
     - new_features_471952
jobs:
 test-ubuntu:
   runs-on: ubuntu-latest
   steps:
     - name: Checkout code
        uses: actions/checkout@v3
     - name: Set up Python
       uses: actions/setup-python@v4
       with:
         python-version: '3.10'
      - name: Install dependencies
         pip install pytest
      - name: Run tests
          pytest unit_tests.py
 test-windows:
   runs-on: windows-latest
    steps:
     - name: Checkout code
       uses: actions/checkout@v3
     - name: Set up Python
       uses: actions/setup-python@v4
         python-version: '3.10'
      - name: Install dependencies
          pip install pytest
      - name: Run tests
          pytest unit_tests.py
```

После проверки и нового гит пуша всё работает, но проверки выдают ошибки так как unit тесты не проходят (из 4 лабы)

```
Run tests
    1 ► Run pytest unit_tests.py
   platform linux -- Python 3.10.15, pytest-8.3.4, pluggy-1.5.0
   13 rootdir: /home/runner/work/geometric_lib/geometric_lib
       collected 48 items
       [100%]
   _ CircleTestCase.test_area_char __
              self = <unit tests.TriangleTestCase testMethod=test perimeter zero>
       def test_perimeter_zero(self):
         res = triangle.perimeter(0,0,0)
          self.assertEqual(res, None)
338 E
         AssertionError: 0 != None
340 unit_tests.py:247: AssertionError
341 ============ short test summary info ==============
342 FAILED unit_tests.py::CircleTestCase::test_area_char - TypeError: can't multiply sequence by non-int of type 'float'
343 FAILED unit_tests.py::CircleTestCase::test_area_minus - AssertionError: 50.26548245743669 != None
344 FAILED unit_tests.py::CircleTestCase::test_perimeter_char - TypeError: can't multiply sequence by non-int of type 'float'
345 FAILED unit_tests.py::CircleTestCase::test_perimeter_minus - AssertionError: -25.132741228718345 != None
346 FAILED unit_tests.py::RectangleTestCase::test_area_char - AssertionError: 'qqqqqqqqq' != None
347 FAILED unit_tests.py::RectangleTestCase::test_area_minus - AssertionError: 20 != None
348 FAILED unit_tests.py::RectangleTestCase::test_perimeter_char - TypeError: can only concatenate str (not "int") to str
349 FAILED unit_tests.py::RectangleTestCase::test_perimeter_minus - AssertionError: -18 != None
350 FAILED unit_tests.py::RectangleTestCase::test_perimeter_zero - AssertionError: 20 != 0
351 FAILED unit_tests.py::SquareTestCase::test_area_char - TypeError: can't multiply sequence by non-int of type 'str'
352 FAILED unit_tests.py::SquareTestCase::test_area_minus - AssertionError: 16 != None
353 FAILED unit_tests.py::SquareTestCase::test_perimeter_char - AssertionError: 'qqqq' != None
354 FAILED unit_tests.py::SquareTestCase::test_perimeter_minus - AssertionError: -16 != None
355 FAILED unit_tests.py::TriangleTestCase::test_area_char - TypeError: unsupported operand type(s) for /: 'str' and 'int'
357 FAILED unit_tests.py::TriangleTestCase::test_area_minus - AssertionError: 10.0 != None
358 FAILED unit_tests.py::TriangleTestCase::test_area_plus - AssertionError: 25.0 != 7.5
359 FAILED unit_tests.py::TriangleTestCase::test_perimeter_char - TypeError: can only concatenate str (not "int") to str
360 FAILED unit_tests.py::TriangleTestCase::test_perimeter_minus - AssertionError: -15 != None
361 FAILED unit_tests.py::TriangleTestCase::test_perimeter_plus - AssertionError: 45 != 40
{\tt 362} \quad {\tt FAILED} \ unit\_tests.py:: {\tt TriangleTestCase}:: test\_perimeter\_zero \ - \ {\tt AssertionError}: \ 0 \ != \ {\tt None}
```