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Факультет «Информатика и управление»

Кафедра ИУ5. Курс «Парадигмы и конструкции языков
программирования»

Отчет по рубежному контролю №2

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```

import pytest
from source.Var15.files import File
from source.Var15.files import Directory
from source.Var15.files import DirectoryFiles

# Main program test
def test_main():
    """
    here's nothing to testing, IMHO, just visual effects
    even i will rebuild RK1 main file, nothing but the two print-function
    wouldn't become
    """
    pass

# Classes testing
def test_file():
    numb = 0
    name = "test_one.txt"
    size = 16
    dir_id = 0
    file_obj = File(numb, name, size, dir_id)

    conditions = [
        lambda o: o.file_id == numb,
        lambda o: o.name == name,
        lambda o: o.size == size,
        lambda o: o.dir_id == dir_id,
    ]
    is_valid = all(cond(file_obj) for cond in conditions)
    assert is_valid

def test_dir():
    numb = 0
    name = "Boss"
    dir_obj = Directory(numb, name)

    conditions = [lambda o: o.dir_id == numb, lambda o: o.name == name]
    is_valid = all(cond(dir_obj) for cond in conditions)
    assert is_valid

def test_directs_file():
    file_id = 0
    dir_id = 0
    file_obj = DirectoryFiles(file_id, dir_id)

    conditions = [lambda o: o.file_id == file_id, lambda o: o.dir_id == dir_id]
    is_valid = all(cond(file_obj) for cond in conditions)
    assert is_valid

```

```

(testing_env) PS C:\Users\Migel\source\3rdSemLab\RK2> python -m black
Usage: python -m black [OPTIONS] SRC ...

One of 'SRC' or 'code' is required.
reformatted C:\Users\Migel\source\3rdSemLab\RK2\source\Var15\files.py
reformatted C:\Users\Migel\source\3rdSemLab\RK2\RK2.py
reformatted C:\Users\Migel\source\3rdSemLab\RK2\source\RK1.py

All done! ✨ 🍰 ✨
3 files reformatted, 1 file left unchanged.
(testing_env) PS C:\Users\Migel\source\3rdSemLab\RK2> pytest RK2.py
===== test session starts =====
platform win32 -- Python 3.8.2, pytest-8.3.4, pluggy-1.5.0
rootdir: C:\Users\Migel\source\3rdSemLab\RK2
plugins: cov-5.0.0
collected 4 items

RK2.py .... [100%]

===== 4 passed in 0.05s =====
(testing_env) PS C:\Users\Migel\source\3rdSemLab\RK2>

```

Requirements.txt

```

black==24.8.0
click==8.1.7
colorama==0.4.6
coverage==7.6.1
exceptiongroup==1.2.2
iniconfig==2.0.0
mypy-extensions==1.0.0
packaging==24.2
pathspec==0.12.1
platformdirs==4.3.6
pluggy==1.5.0
pytest==8.3.4
pytest-cov==5.0.0
tomli==2.2.1
typing_extensions==4.12.2

```