## Рубежный контроль №2

#### Текст программы

### tasks.py

```
def first_task(conductors, orchestras):
       for orchestra in orchestras
def second task(conductors, orchestras):
      r[conductor.orchestra id - 1][1] += conductor.years of experience
  r.sort(key=lambda r: r[1])
def third_task(conductors, orchestras, many_to_many):
conductors[connection.conductor id-1].fio) for connection in many to many]
               elm[1].append(_[1])
  to_be_del = []
       if r[i][0][0] != "R":
           to be del.append(i)
  to be del.reverse()
      del r[i]
if __name__ == '__main__':
```

#### tests.py

```
import unittest
from src.conductor import *
from src.orchestra import *
from src.connection import *
import tasks
  orchestras = [
       Orchestra(3, "Los Angeles Philharmonic", "Los-Angeles")
      Conductor (5, "Николаус Арнонкур", 1, 12)
  many_to_many = [
      ConductorOrchestra(1, 2),
      ConductorOrchestra(1, 3),
      ConductorOrchestra(4, 2)
       self.assertEqual(tasks.first task(self.conductors, self.orchestras),
  def test 2(self):
      self.assertEqual(tasks.second_task(self.conductors, self.orchestras),
[('Royal Concertgebouw Orchestra', 11.0), ('Los Angeles Philharmonic', 16.0),
('Berlin Philharmonic Orchestra', 17.0)], 'wrong')
      self.assertEqual(tasks.third task(self.conductors, self.orchestras,
self.many_to_many), [('Royal Concertgebouw Orchestra', ['Артуро Тосканини', 'Карло
Мария Джулини'])], 'wrong')
if name == ' main ':
  unittest.main()
```

# Результат программы

<pre>[mikemikulin@192 RK % python3 -m unittest -v tests test_1 (tests.TestRK.test_1) ok test_2 (tests.TestRK.test_2) ok test_3 (tests.TestRK.test_3) ok</pre>
Ran 3 tests in 0.000s
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