## Code:

## Classes.py:

```
def init (self, id, lang type, title):
         self.lang type = lang type
Lang(1, 1, "java"),
Lang(2, 2, "javaScript"),
Lang(3, 1, "c++"),
Lang(4, 3, "c"),
Lang(5, 2, "f#")
LibLang(1, 4),

LibLang(2, 1),

LibLang(3, 2),

LibLang(4, 1),

LibLang(1, 2),

LibLang(5, 5),
```

```
LibLang(3, 3),
LibLang(2, 4)
    one_to_many[la.title] = [(li.title, li.methods count) for li in libs if
many_to_many_temp = [(la.title, li.title)
def main():
    third(many to many temp)
def first(one to many):
str(item[0]).startswith("j"), val)) for key, val
    return result
def second(one to many):
    result = sorted({k: min([val[1] for val in one to many[k]]) for k in
one_to_many.keys() }.items(),
def getManyToMany():
    return many_to_many_temp
```

## testClasses.py:

```
import unittest
import classes
```

## Результат выполнения:

```
Testing started at 16:20 ...

Launching unittests with arguments python -m unittest testClasses.TestClass in C:\RK1pikyap

Ran 3 tests in 0.004s

OK

Process finished with exit code 0
```

