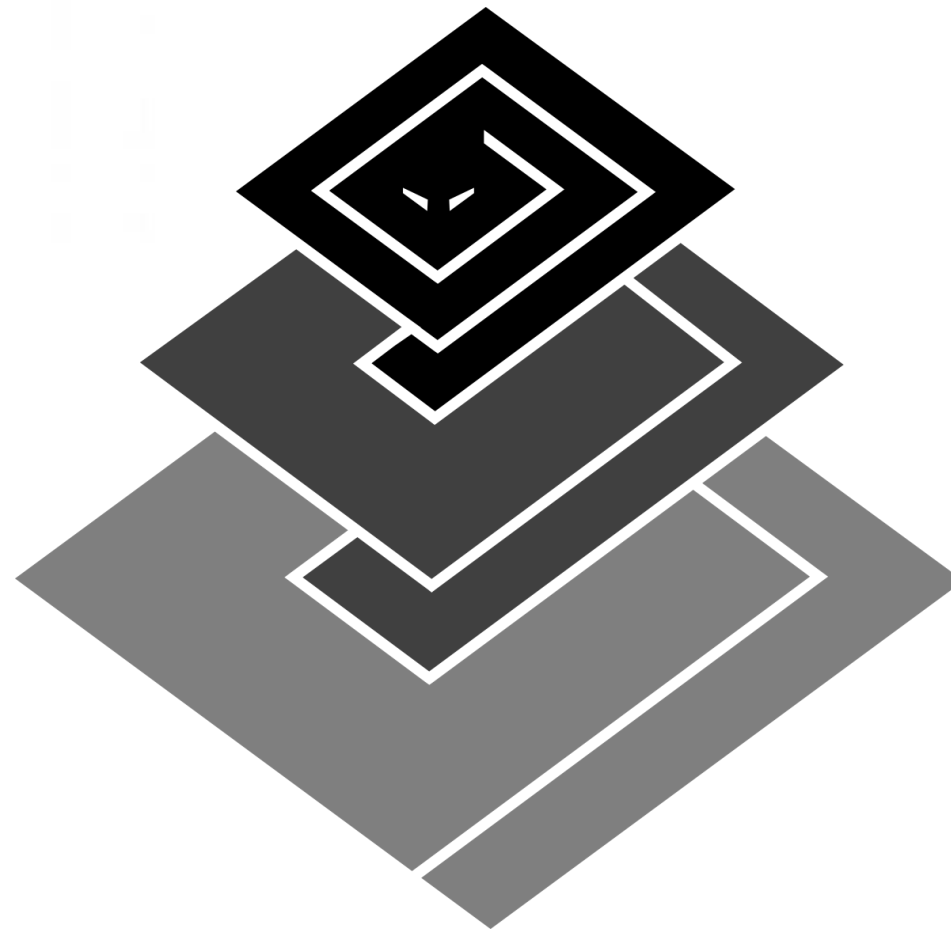
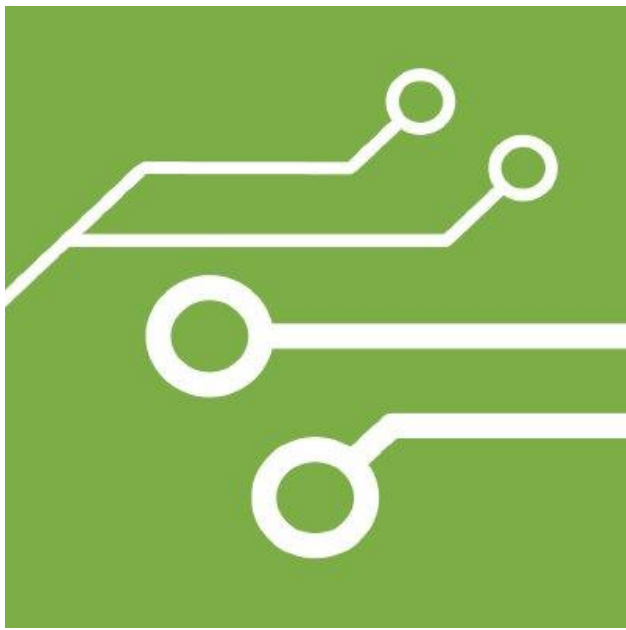
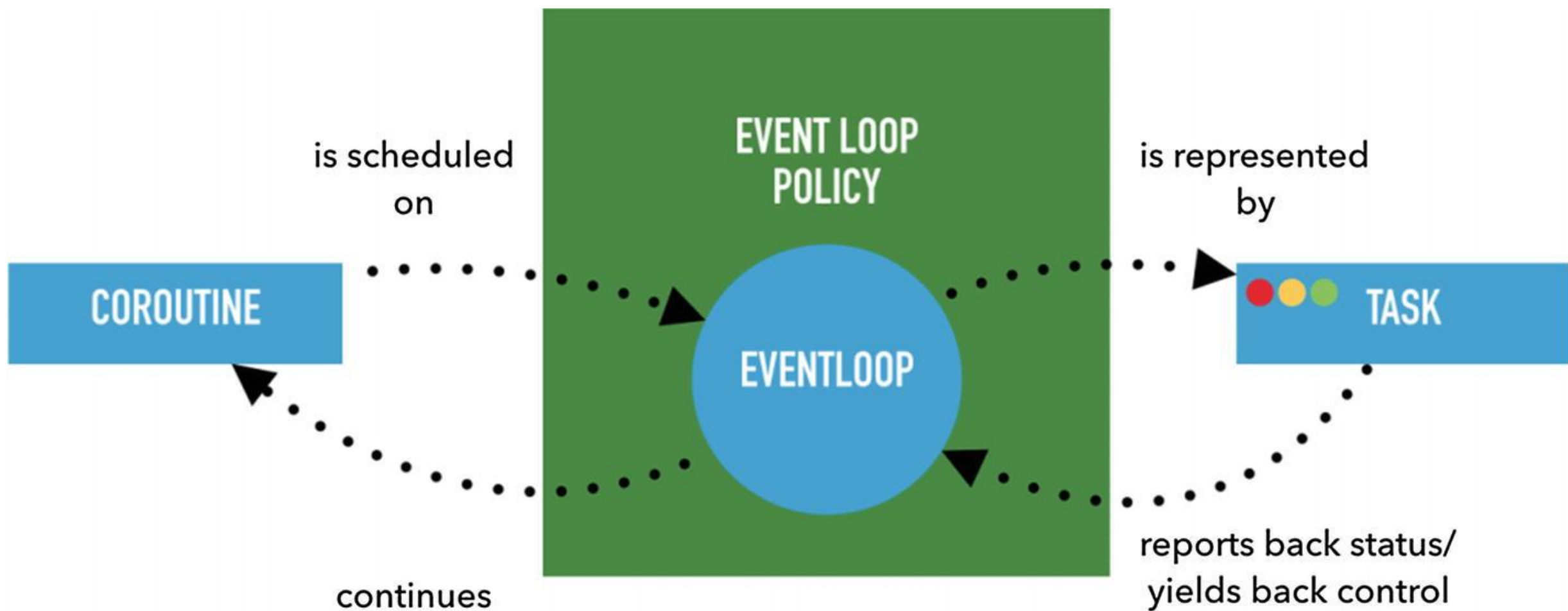


Asyncio

Нюхалов Денис, ИВТ, 3 курс





asyncio_sample.py X

asyncio_sample.py > ...

```
1  import asyncio
2
3  async def func():
4      pass
5
6  # legacy код, раньше корутины объявлялись через декоратор. В версии Python 3.10 планируют убрать эту возможность.
7  # @asyncio.coroutine
8  # def old_coroutine_func():
9      # pass
10
11  print(func())
```

OUTPUT TERMINAL DEBUG CONSOLE PROBLEMS

1: Python

```
PS G:\School\3kurs\npor 6> & C:/Users/Denis/AppData/Local/Programs/Python/Python39/python.exe "g:/School/3kurs/npor 6/asyncio_sample.py"
<coroutine object func at 0x0000026784725240>
g:\School\3kurs\npor 6\asyncio_sample.py:11: RuntimeWarning: coroutine 'func' was never awaited
  print(func())
RuntimeWarning: Enable tracemalloc to get the object allocation traceback
PS G:\School\3kurs\npor 6> 
```

asyncio_sample.py X



asyncio_sample.py > ...

```
1 import asyncio
2
3 async def func():
4     print('hello')
5
6 asyncio.run(func())
```

OUTPUT TERMINAL DEBUG CONSOLE PROBLEMS

1: Python



```
PS G:\School\3kurs\npor 6> & C:/Users/Denis/AppData/Local/Programs/Python/Python39/python.exe "g:/School/3kurs/npor 6/asyncio_sample.py"
hello
PS G:\School\3kurs\npor 6> 
```

asyncio_sample.py > main

```

1 import asyncio
2 import time
3
4
5 async def func():
6     print('world')
7
8 async def main():
9     print('hello')
10    await asyncio.sleep(2)
11    await func()
12
13
14 start_time = time.time()
15 asyncio.run(main())
16
17 print("\n--- %s seconds ---" % (time.time() - start_time))

```



OUTPUT TERMINAL DEBUG CONSOLE PROBLEMS

1: Python



PS G:\School\3kurs\npor 6> & C:/Users/Denis/AppData/Local/Programs/Python/Python39/python.exe "g:/School/3kurs/npor 6/asyncio_sample.py"

hello
world

--- 2.0130136013031006 seconds ---

PS G:\School\3kurs\npor 6> █


```

# Create a new file named "test.txt"
touch test.txt

# Write some text to the file
echo "Hello, World!" > test.txt

# Append more text to the file
echo "This is a test." >> test.txt

# Read the contents of the file
cat test.txt

# Remove the file
rm test.txt

```

1: Python 

PS G:\School\3kurs\prog 6>

asyncio_sample.py 1 X

getweatherdata.py

Settings



asyncio_sample.py > main

```
1 import asyncio
2 import time
3
4
5 async def func():
6     print('world')
7     await asyncio.sleep(3)
8
9 async def new_func():
10    print('hello everyone')
11
12 async def main():
13    print('hello')
14    task = asyncio.create_task(func())
15    await new_func()
16
17
18 start_time = time.time()
```



OUTPUT TERMINAL DEBUG CONSOLE PROBLEMS 1

1: Python



```
PS G:\School\3kurs\npor 6> & C:/Users/Denis/AppData/Local/Programs/Python/Python39/python.exe "g:/School/3kurs/npor 6/asyncio_sample.py"
```

```
hello
hello everyone
world
```

```
--- 0.008000373840332031 seconds ---
```

```
PS G:\School\3kurs\npor 6> █
```


Нужно сделать



 Add a task

- ☐ Погулять с собакой
- ☐ Ответить мистеру Швинку
- ☐ Сделать домашку