

```
def someFunction():
    author = "Maaaaager"
    print(f"{author}`s module is imported")
```

Функция в файле testRemote.py

```
import re
import sys
from urllib.request import urlopen
from importlib.abc import PathEntryFinder
from importlib.util import spec_from_loader
from urllib.request import urlopen

class URLLoader:
    def create_module(self, target):
        return None

    def exec_module(self, module):
        with urlopen(module.__spec__.origin) as page:
            source = page.read()
            code = compile(source, module.__spec__.origin, mode="exec")
            exec(code, module.__dict__)

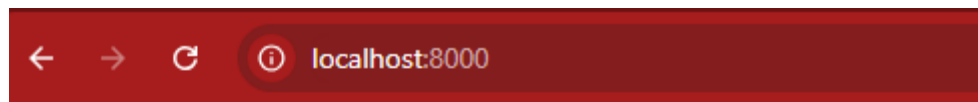
class URLFinder(PathEntryFinder):
    def __init__(self, url, available):
        self.url = url
        self.available = available

    def find_spec(self, name, target=None):
        if name in self.available:
            origin = "{}/{}.py".format(self.url, name)
            loader = URLLoader()
            return spec_from_loader(name, loader, origin=origin)
        else:
            return None

def url_hook(some_str):
    if not some_str.startswith(("http", "https")):
        raise ImportError
    with urlopen(some_str) as page: # requests.get()
        data = page.read().decode("utf-8")
        filenames = re.findall("[a-zA-Z_][a-zA-Z0-9_]*.py", data)
        modnames = {name[:-3] for name in filenames}
        return URLFinder(some_str, modnames)

sys.path_hooks.append(url_hook)
print(sys.path_hooks)
```

скрипт активации



## Directory listing for /

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- [\\_\\_pycache\\_\\_/](#)
- [activation\\_script.py](#)
- [screencast.docx](#)
- [testRemote.py](#)
- [~Sreencast.docx](#)

Локальный сервер

```
>>> import testRemote
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
ModuleNotFoundError: No module named 'testRemote'
```

Ошибка импорта

```
>>> sys.path.append("http://localhost:8000")
>>> import testRemote
>>> testRemote.someFunction
<function someFunction at 0x000002791108A980>
>>> testRemote.someFunction()
Maaaaager's module is imported
>>> █
```

Успешное добавление модуля

```
import requests
```

подключаем requests

```
def url_hook(some_str):

    if not some_str.startswith(("http", "https")):
        raise ImportError

    # with urlopen(some_str) as page: # requests.get()
    #     data = page.read().decode("utf-8")

    response = requests.get(some_str)
    response.encoding = 'utf-8'
    data = response.text
    filenames = re.findall("[a-zA-Z_][a-zA-Z0-9_]*.py", data)
    modnames = {name[:-3] for name in filenames}
    return URLFinder(some_str, modnames)
```

переписываем через requests

```
>>> sys.path.append("http://localhost:8000")
>>> import testRemote
>>> testRemote.someFunction()
Maaaaager`s module is imported
```

Успешный импорт