

Работа выполнена на replit.com

Проект на replit:

<https://replit.com/@gnevnov1996/Laboratornaia-rabota10>

1. Установка Sphinx:

```
~/Laboratornaia-rabota10$ pip install sphinx
Collecting sphinx
  Downloading sphinx-7.3.7-py3-none-any.whl.metadata (6.0 kB)
Collecting sphinxcontrib-applehelp (from sphinx)
  Downloading sphinxcontrib_applehelp-1.0.8-py3-none-any.whl.metadata (2.3 kB)
Collecting sphinxcontrib-devhelp (from sphinx)
  Downloading sphinxcontrib_devhelp-1.0.6-py3-none-any.whl.metadata (2.3 kB)
Collecting sphinxcontrib-jsmath (from sphinx)
  Downloading sphinxcontrib_jsmath-1.0.1-py2.py3-none-any.whl.metadata (1.4 kB)
)
Collecting sphinxcontrib-htmlhelp>=2.0.0 (from sphinx)
```

2. Инициализация Sphinx:

```

~/Laboratornaia-rabota10$ sphinx-quickstart
Welcome to the Sphinx 7.3.7 quickstart utility.

Please enter values for the following settings (just press Enter to
accept a default value, if one is given in brackets).

Selected root path: .

You have two options for placing the build directory for Sphinx output.
Either, you use a directory "_build" within the root path, or you separate
"source" and "build" directories within the root path.
> Separate source and build directories (y/n) [n]: y

The project name will occur in several places in the built documentation.
> Project name: LR10
> Author name(s): Artem Gnevnov
> Project release []: 1

If the documents are to be written in a language other than English,
you can select a language here by its language code. Sphinx will then
translate text that it generates into that language.

For a list of supported codes, see
https://www.sphinx-doc.org/en/master/usage/configuration.html#confval-language
.
> Project language [en]:

Creating file /home/runner/Laboratornaia-rabota10/source/conf.py.
Creating file /home/runner/Laboratornaia-rabota10/source/index.rst.
Creating file /home/runner/Laboratornaia-rabota10/Makefile.
Creating file /home/runner/Laboratornaia-rabota10/make.bat.

Finished: An initial directory structure has been created.

You should now populate your master file /home/runner/Laboratornaia-rabota10/s
ource/index.rst and create other documentation
source files. Use the Makefile to build the docs, like so:
    make builder
where "builder" is one of the supported builders, e.g. html, latex or linkchec
k.

```

3. Заполняем index.rst файл

```
Это документация для Лабораторной работы №10!
```

```
=====
```

```
.. toctree::  
    :maxdepth: 2  
    :caption: Contents:
```

```
Примеры встраиваемых данных:
```

```
=====
```

```
.. image:: _static/kita.jpg  
    scale: 50 %
```

```
Таблица:
```

```
.. table::
```

```
Таблица:
```

```
+-----+-----+-----+-----+  
| Заг.  | Заг.  | Заг.   | Заг.   |  
+=====+=====+=====+=====+  
| текст| текст| текст  | текст  |  
+-----+-----+-----+-----+  
| текст| текст| текст  | текст  |  
+-----+-----+-----+-----+
```

```
.. note:: Это заметка
```

4. Генерируем документацию, прописав в shell « make html».

```
~/Laboratornaia-rabota10$ make html
Running Sphinx v7.3.7
making output directory... done
building [mo]: targets for 0 po files that are out of date
writing output...
building [html]: targets for 1 source files that are out of date
updating environment: [new config] 1 added, 0 changed, 0 removed
reading sources... [100%] index
/home/runner/Laboratornaia-rabota10/source/index.rst:7: WARNING: Title underline too short.
```

Это документация для Лабораторной работы №10!

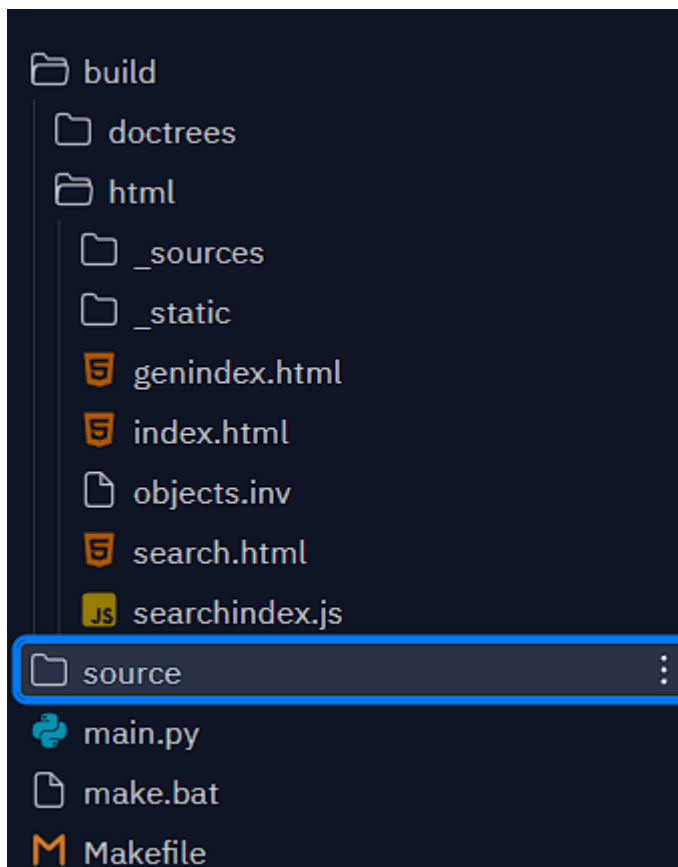
```
/home/runner/Laboratornaia-rabota10/source/index.rst:16: WARNING: Title underline too short.
```

Примеры встраиваемых данных:

```
/home/runner/Laboratornaia-rabota10/source/index.rst:16: WARNING: Title underline too short.
```

Примеры встраиваемых данных:

```
/home/runner/Laboratornaia-rabota10/source/index.rst:19: WARNING: Explicit markup ends without a blank line; unexpected unindent.
/home/runner/Laboratornaia-rabota10/source/index.rst:17: WARNING: image file not readable: _static/kita.jpgscale:50%
looking for now-outdated files... none found
pickling environment... done
checking consistency... done
preparing documents... done
copying assets... copying static files... done
copying extra files... done
done
writing output... [100%] index
generating indices... genindex done
writing additional pages... search done
dumping search index in English (code: en)... done
dumping object inventory... done
build succeeded, 5 warnings.
```



5. Запускаем сервер с документацией командой в shell «python -m http.server 8000»:

```
~/Laboratornaia-rabota10$ python -m http.server 8000
Serving HTTP on 0.0.0.0 port 8000 (http://0.0.0.0:8000/) ...
172.31.196.5 - - [17/May/2024 11:35:04] "GET / HTTP/1.1" 200 -
172.31.196.5 - - [17/May/2024 11:35:11] "GET /build/ HTTP/1.1" 200 -
172.31.196.5 - - [17/May/2024 11:35:12] "GET /build/ HTTP/1.1" 200 -
172.31.196.5 - - [17/May/2024 11:35:21] "GET /build/html/ HTTP/1.1" 200 -
172.31.196.5 - - [17/May/2024 11:35:21] "GET /build/html/ HTTP/1.1" 200 -
172.31.196.5 - - [17/May/2024 11:35:22] "GET /build/html/_static/pygments.css?v=d1102ebc HTTP/1.1" 200 -
172.31.196.5 - - [17/May/2024 11:35:22] "GET /build/html/_static/alabaster.css?v=12dfc556 HTTP/1.1" 200 -
172.31.196.5 - - [17/May/2024 11:35:22] "GET /build/html/_static/custom.css HTTP/1.1" 200 -
172.31.196.5 - - [17/May/2024 11:35:23] "GET /build/html/_static/sphinx_highlight.js?v=dc90522c HTTP/1.1" 200 -
172.31.196.5 - - [17/May/2024 11:35:23] "GET /build/html/_static/documentation_options.js?v=29a6c3e3 HTTP/1.1" 200 -
172.31.196.5 - - [17/May/2024 11:35:23] "GET /build/html/_static/doctools.js?v=9a2dae69 HTTP/1.1" 200 -
172.31.196.5 - - [17/May/2024 11:35:24] "GET /build/html/_static/basic.css HTTP/1.1" 200 -
```

Go

Это документация для Лабораторной работы №10!

Примеры встраиваемых данных:

Таблица:

Заг.	Заг.	Заг.	Заг.
текст	текст	текст	текст
текст	текст	текст	текст

Note:

Это заметка

```
def hello_world():  
    """  
    Prints 'Hello, world!' to the console.  
    """  
    print("Hello, world!")
```

Используй функцию вроде этой:

```
if __name__ == "__main__":  
    hello_world()
```