
pydoodle

Release v1.1.1

Prince2347X

May 07, 2021

PYDOODLE

1	Features	3
2	Installation	5
3	Look how easy it is to use:	7
3.1	API Reference	7
3.2	Errors	8
4	Indices and tables	9
	Index	11

- pydoodle is an API wrapper of online compiler jdoodle.com written in python.
- Requires python 3.5 or above.

FEATURES

- Easy to use.
- Over 50+ languages to compile.
- Get the credits spent information.

INSTALLATION

Install pydoodle by running:

```
pip install pydoodle
```


LOOK HOW EASY IT IS TO USE:

```
import pydoodle
c = pydoodle.Compiler(clientId="client-id", clientSecret="client-secret")
result = c.execute(script="print('Hello World')", language="python3")
usage = c.usage()
print(usage, result.output, sep='\n')
```

3.1 API Reference

3.1.1 Compiler

class `pydoodle.Compiler` (*clientId: str, clientSecret: str*)
Initialize the compiler which let you access the Jdoodle API.

Parameters

- **clientId** (*str*) – The clientId which you can get from <https://jdoodle.com/compiler-api/>
- **clientSecret** (*str*) – The clientSecret which you can get from <https://jdoodle.com/compiler-api/>

execute (*script: str, language: str, link: bool = False, stdin: Optional[str] = None, versionIndex: Optional[int] = None*) → *pydoodle.jdoodle.Output*
Executes the provided script.

Parameters

- **script** (*str*) – The script to be executed. You can provide link of any code hosting site such as pastebin, hastebin, etc. (You've to set *link* parameter to *True*)
- **language** (*str*) – Language of the script.
- **link** (*bool*) – Tell if a link of any code hosting site (like pastebin, hastebin, etc..) is provided in script parameter. Defaults to *False*. If *True* it takes the script as link and fetch the script from the link.
- **stdin** (*str, optional*) – StdIn of script (If Any), defaults to *None*. In case of multiple inputs, they should be separated by `||` (double pipe).
- **versionIndex** (*int, optional*) – Version Index of language, defaults to *0*.

Returns Returns an Output object with all its attributes.

Return type *Output*

Raises `UnauthorizedRequest`: Raised if either your clientId or clientSecret is invalid.

Raises `LanguageNotSupported`: Raised if wrong language code is provided.

Raises `BadRequest`: Raised when invalid language or versionIndex is provided.

Raises `LinkNotSupported`: Raised if the provided link isn't supported yet by pydoodle.

usage () → int

Tells the number of credits spent today.

Returns The number of credit spent(number of API calls) today.

Return type int

Note: All types of links aren't yet supported and not to be provided in the `script` parameter. Currently, supported links are: pastebin.com, hatstebin.com, textbin.net and pastie.org. Working on to add more of them. Want to suggest? [Start a new discussion on github repo](#).

Attention: Only provide links which can be visible by everyone without any kind of password.

3.1.2 Output

class `pydoodle.jdoodle.Output` (*output, statusCode, memory, cpuTime*)

The output of the executed script.

3.2 Errors

class `pydoodle.errors.LanguageNotSupported`

Raised if wrong language code is provided.

class `pydoodle.errors.LimitExceeded`

Raised when the daily limit has exceeded. Learn more: <https://jdoodle.com/compiler-api>

class `pydoodle.errors.UnauthorizedRequest`

Raised if either your clientID or clientSecret is invalid.

class `pydoodle.errors.BadRequest`

Raised when invalid language or versionIndex is provided.

class `pydoodle.errors.LinkNotSupported`

Raised if the provided link isn't supported yet by pydoodle.

INDICES AND TABLES

- `genindex`
- `search`

INDEX

B

`BadRequest` (*class in pydoodle.errors*), 8

C

`Compiler` (*class in pydoodle*), 7

E

`execute()` (*pydoodle.Compiler method*), 7

L

`LanguageNotSupported` (*class in pydoodle.errors*),
8

`LimitExceeded` (*class in pydoodle.errors*), 8

`LinkNotSupported` (*class in pydoodle.errors*), 8

O

`Output` (*class in pydoodle.jdoodle*), 8

U

`UnauthorizedRequest` (*class in pydoodle.errors*), 8

`usage()` (*pydoodle.Compiler method*), 8