
pydoodle

Release v1.1.2

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Aug 06, 2021

PYDOODLE

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- 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 it's 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.

Raises `LimitExceeded`: Raised when the daily limit has exceeded, means no more API calls for today. Learn more: <https://jdoodle.com/compiler-api>

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.

<p>Attention: Only provide links which can be visible by everyone without any kind of password.</p>
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3.1.2 Output

class `pydoodle.jdoodle.Output(response_json: dict)`

The output of the executed script. :param response_json: The response from the API :type response_json: dict

property `cpuTime`: **str**

Returns The time taken in the execution of the script (in seconds).

Return type str

property `memory`: **str**

Returns Memory used to execute the script (in kilobytes).

Return type str

property `output`: **str**

Returns The output of the executed script.

Return type str

property `statusCode`

Returns The status code of the API request.

Return type int

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.

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