
pydoodle

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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*)

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.

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**(*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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