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# **cdumay-error Documentation**

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cdumay-error is a basic library used to standardize exception objects and to serialize them into json using *marshmallow*.



# CHAPTER 1

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## Example usage

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```
>>> from cdumay_error import Error
>>> raise Error(message="Something wrong happen...")
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
cdumay_error.Error: 1: Something wrong happen...
```





## CHAPTER 2

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### Serialization

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As marshmallow dump into dict, it's easy to use other libraries to dump

#### 2.1 Json serialization

```
>>> import os
>>> from cdumay_error import Error, ErrorSchema
>>>
>>> try:
...     os.listdir("/path/not/exists")
... except FileNotFoundError as exc:
...     print(ErrorSchema().dumps(Error(
...         code=exc.args[0], message=exc.args[1],
...         extra=dict(path="/path/not/exists")
...     )).data)
...
{"code": 2, "extra": {"path": "/path/not/exists"}, "msgid": null, "stack": "Traceback_
↪ (most recent call last):\n  File \"<stdin>\", line 2, in <module>
↪ \nFileNotFoundError: [Errno 2] No such file or directory: '/path/not/exists'",
↪ "message": "No such file or directory"}
```

#### 2.2 Yaml serialisation

Can use any Yaml lib, we'll use PyYAML(==3.11):

```
>>> import yaml
>>> import os
>>> from cdumay_error import Error, ErrorSchema
>>>
>>> try:
```

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```
...     os.listdir("/path/not/exists")
... except FileNotFoundError as exc:
...     print(yaml.dump(ErrorSchema().dump(Error(
...         code=exc.args[0], message=exc.args[1],
...         extra=dict(path="/path/not/exists")
...     )).data, default_flow_style=False, default_style=''))
...
code: 2
extra:
  path: /path/not/exists
message: No such file or directory
msgid: null
stack: "Traceback (most recent call last):\n  File \"<stdin>\", line 2, in <module>\n\
      FileNotFoundError: [Errno 2] No such file or directory: '/path/not/exists'"

```

**See also:**

**marshmallow** Simplified object serialization