# Exception Payloads



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#### Overview

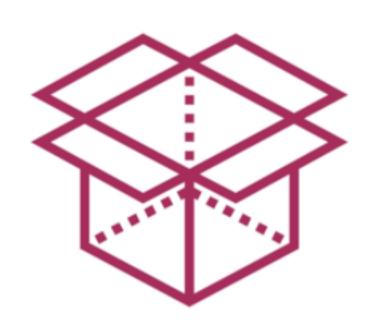


Associating payload data with exceptions

Guidelines for what kind of data to attach

Retrieving payload data from exceptions

## Exception Payloads



Exceptions can carry payload data

Most exceptions accept a single string in their constructor call

The most common exception you'll likely raise is ValueError



Most exception payloads are strings containing a helpful message.

While you can pass multiple arguments to the Exception constructor...

...you should only pass a single string.

"No restriction is placed upon what may be passed in for args for backwards-compatibility reasons. In practice, though, only a single string argument should be used."

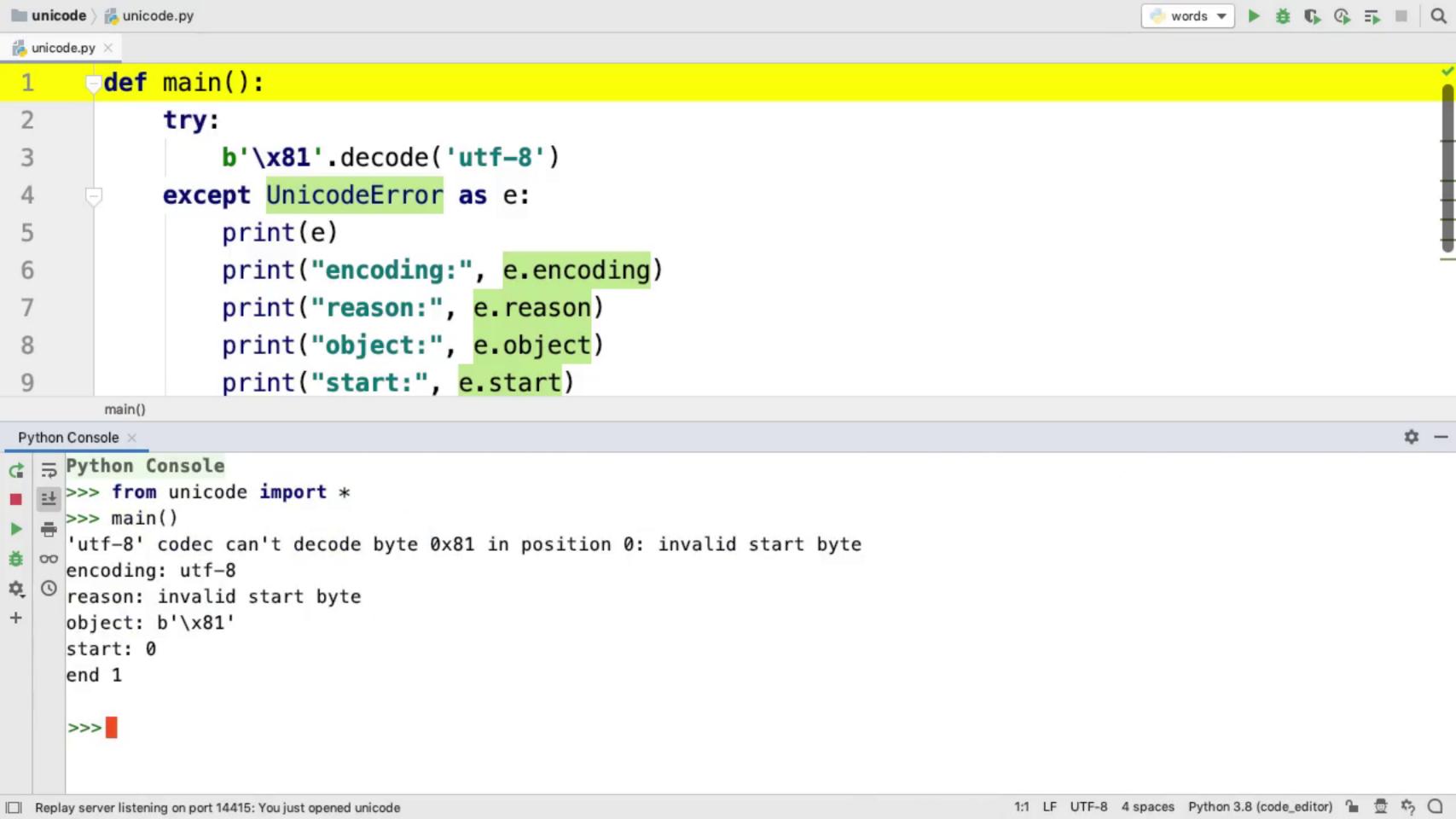
**PEP 352** 

## Exception.args



Only expect args to contain a single string

This string is what you get when you pass the exception to str()



#### Summary



Python exceptions can carry a payload

Most built-in exceptions accept a single string argument in their constructor

This string is stored as the exception's payload

Exceptions can store data in args

In practice, args should have a single string entry

Further data should be stored in other attributes