For-else Clauses



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```
for item in iterable:
    if match(item):
        result = item
        break
else: # nobreak
    # No match found
    result = None
```

Always come here

print(result)

Remember - the else clause is really the no-break clause

Demo



Using for ... else in practice.

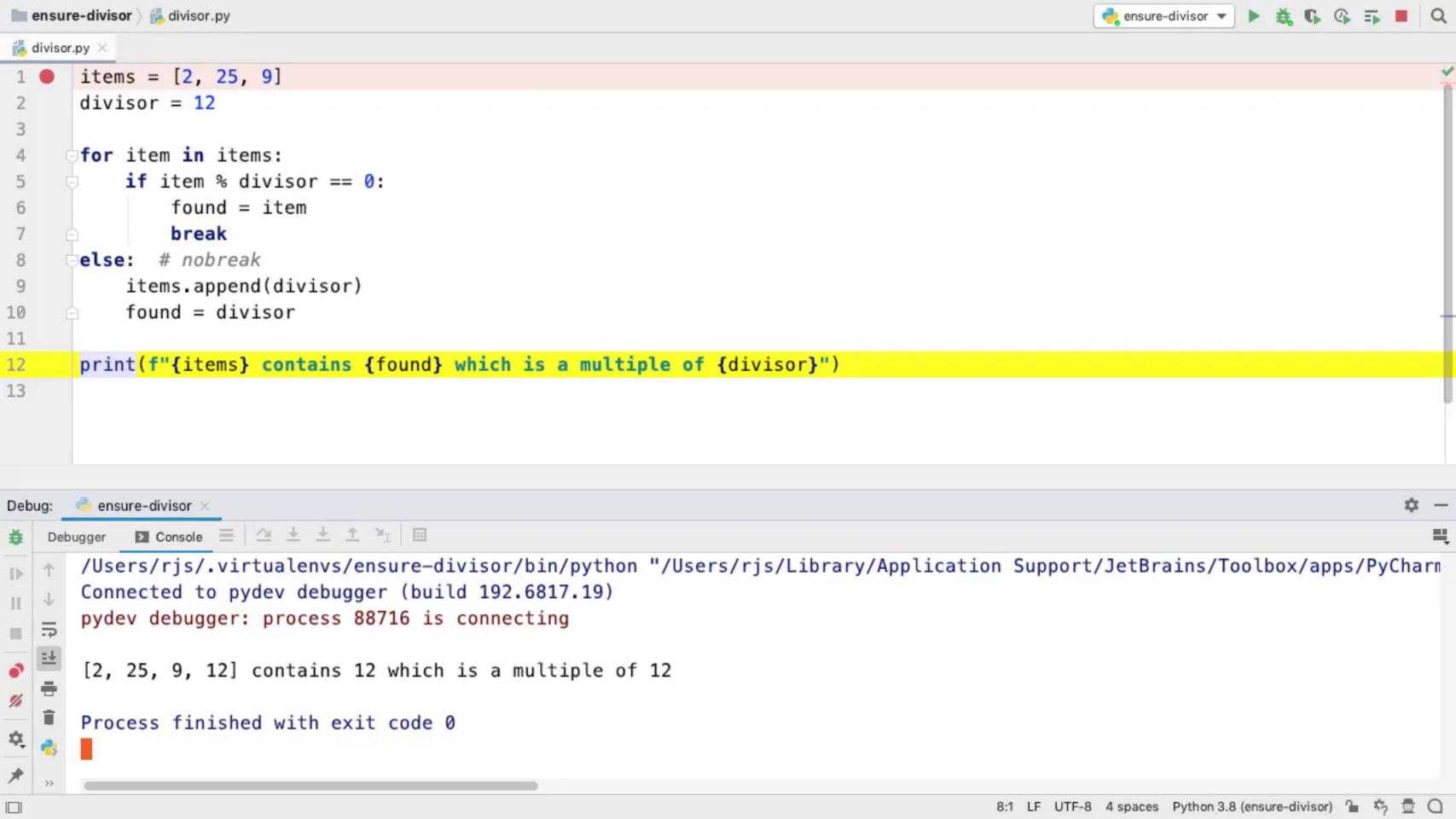
Ensuring a list contains at least one item divisible by a given value.

Are any of these numbers divisible by twelve?

[2, 5, 9, 37, 28, 14]

No, so append a number that is.

[2, 5, 9, 37, 28, 14, 12]



Loop-else Clauses

Uncommon

Although for-else is more common than while-else

Consider readership

Are you sure code maintainers understand?

Even experts are confused

A majority interviewed at PyCon 2011 did not properly understand loop-else clauses If loop-else clauses are so widely misunderstood, what's the alternative?

Refactor! Extract method.

