

FOR,ELSE IN PYTHON

May 24, 2025

1 In other language for,else not supported but in python allowed.

```
[6]: nums=[12,15,18,21,26,30,40]
```

```
for num in nums:
    if num % 5 == 0:
        print(num)
```

15
30
40

```
[8]: nums=[12,20,18,21,26,25]
```

```
for num in nums:
    if num % 5 == 0:
        print(num)
```

20
25

```
[10]: nums=[12,15,18,21,26,30,40]
```

```
for num in nums:
    if num % 5 == 0:
        print(num)
        break
```

15

```
[ ]: # With break, only the first match is printed:
```

```
[25]: # Here no number is divisible so output as no number found.
```

```
nums=[7,14,18,21,23,27]

for num in nums:
    if num % 5 ==0:
        print(num)
```

```
        break

else:
    print("Number not found")
```

Number not found

2 CHECKING PRIME NUMBER

```
[34]: # To check whether number is prime or non prime number
num=14

for i in range(2,num):
    if num % i ==0:
        print('not prime number')
        break

else:
    print("Number not found")
```

not prime number

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