

for else

```
In [1]: nums= [12,15,18,21,26,30,40]
        for num in nums:
            print(num)
```

12
15
18
21
26
30
40

```
In [3]: if num%5==0:
        print(num)
```

40

```
In [4]: nums=[12,15,18,21,26,30,40]
        for num in nums:
            if num % 5 ==0:
                print(num)
```

15
30
40

```
In [5]: nums=[12,14,18,21,26,30,40]
        for num in nums:
            if num % 5 == 0:
                print(num)
```

30
40

```
In [6]: nums=[12,14,18,21,20,25]
        for num in nums:
            if num % 5==0:
                print(num)
                break
```

20

```
In [11]: nums=[10,14,18,21,5,10]
        for i in nums:
            if i % 5==0:
                print(i)
                break
```

10

```
In [12]: nums=[10,14,18,21,5,10]
        for num in nums:
            if num%5!=0:
                print(num)
```

14
18
21

```
In [13]: nums=[10,14,18,21,5,10]
         for num in nums:
             if num % 5!=0:
                 print(num)
                 break
```

14

```
In [15]: nums=[7,14,18,21,23,27]
         for num in nums:
             if num % 5 == 0:
                 print(num)
                 break
```

```
In [17]: nums=[7,14,18,21,23,27,29]
         for num in nums:
             if num%5==0:
                 print(num)
                 break
             else:
                 print('Number Not Found')
```

Number Not Found
Number Not Found
Number Not Found
Number Not Found
Number Not Found
Number Not Found
Number Not Found

```
In [18]: nums=[7,14]
         for num in nums:
             if num % 5 == 0:
                 print(num)
                 break
             else:
                 print('Number Not Found')
```

Number Not Found
Number Not Found

```
In [19]: 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
Number not found
Number not found
Number not found
Number not found
Number not found

```
In [20]: nums=[10,14,18,21,20,27]
for num in nums:
    if num %5 ==0:
        print(num)
    else:
        print('not found')
```

10
not found
not found
not found
20
not found

```
In [21]: nums=[10,14,18,21,20,27]
for num in nums:
    if num %5==0:
        print(num)
        break
    else:
        print('Not Found')
```

10

```
In [22]: nums=[10,14,18,21,20,27]
for num in nums:
    if num%5==0:
        print(num)
        break
    else:
        print('Not Found')
```

10

```
In [30]: i=4
if i*1 ==0:
    print('prime number')
else:
    print('not a prime number')
```

not a prime number

```
In [31]: i=2
if i*1==i:
    print('prime number')
else:
    print('not a prime number')
```

prime number

```
In [47]: num=14
for i in range(2,num):
    if num%i==0:
        print('not prime number')
        break
    else:
        print('prime number')
```

not prime number

```
In [48]: num=13
for i in range(2,num):
```

```
    if num%i==0:  
        print('not a prime number')  
        break  
else:  
    print('prime number')
```

prime number

```
In [37]: for i in range(1,10):  
        if i==6:  
            break  
        print(i)
```

1
2
3
4
5

```
In [45]: i=3  
        if i%2==0:  
            print('not prime')  
        else:  
            print('prime')
```

prime

```
In [ ]:
```