

2-4 循环 (1) - FOR 循环



- 循环
- 循环
- 循环()



循环.FOR循环

for 循环 1

for 循环 in range():

```
# 循环 循环
print( 循环 )
```

for 循环 2

for 循环 in range (循环 , 循环 , 循环):

```
# 循环 循环
print( 循环 )
```



000000000

000000001

for 00000000

0000:

```
range( 10 ) => 0 1 2 ... 9
range( n ) => 0 1 2 ... n-1
range(0, 10 ) => ?
range(3, 10 ) => ?
range(3, 10, 2 ) => ?
range(2, 10, 3 ) => ?
range(5, 1, -1 ) => ?
range(1, 3, -1 ) => ?
```

001 : 001 ~ 9

for i in range(1,10):

```
for i in range(1,10):
    print(i )
```

002 001 ~ 9 00000000 ?

```
for i in range(1,10):
    print(i , end=',')
```

003 001 ~ 9 0000000000 ?

```
for i in range(1,10):
    print(i , end=' \t')
```

例1:
計算 $1+2+3+\dots+50$ の値 (1275)

例2
計算 $5+10+15+\dots+50$ の値 (275)

例3
計算 $1+100+100^2+\dots+100^{10}$ の値 (338350)

例4 計算 $17 \times 31 + 17 \times 31^2 + \dots + 17 \times 31^{10}$ の値 (227520)

例5 計算 N までの和 $1+2+3+\dots+N$ の値

例6 $1+100+100^2+\dots+100^{10}$ の値 (2500)

例7
計算 $A \times B + A \times B^2 + \dots + A \times B^5$ の値

計算
 $A=10$
 $B=450$
 $5 \times \dots = 20470$

例8 計算 $A \times B + A \times B^2 + \dots + A \times B^{13}$ の値

計算
 $A=20$
 $B=100$
 $13 \times \dots = 1720251$

例9 計算 $5!$ (計算 $1 \times 2 \times 3 \times 4 \times 5 = 120$)

例10 計算 $10!$ (計算 $1 \times 2 \times \dots \times 10 = 3628800$)

□□11□□1□100□□□□2□□□□5□□□□□□□□□□ ? (3050)

□□12□□1□100□□□□2□5□□□□□10□□□□□□□□□□ ? (2500)

□□□□ (□□□□)

□□ □□□□□

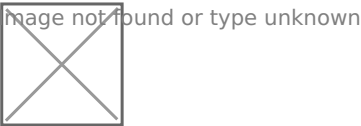
```
for i in range(1,4):
    for j in range(1,4):
        print(i*j, end=',')
    print()
```

□□

1, 2, 3,
2, 4, 6,
3, 6, 9,

□□1□□□□□

(□□□□□□□□□□)



□□2□□□ - 1

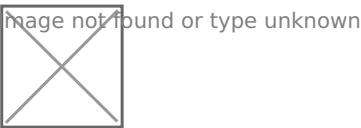




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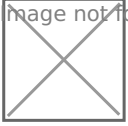


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