

Lab-1.3

ในสมการ even_odd ให้เช็คค่า ถ้าเท่ากับ 0 จะเป็น True แต่ถ้าไม่เท่ากับ 0 จะเป็น False โดย ณ ที่นี้ จะให้ ค่า num = 6

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Python 3.6
([known limitations](#))

```
1 def even_odd(L):
2     if(L % 2 == 0):
3         return True
4     elif(L % 2 != 0):
5         return False
6     else:
7         return even_odd(L)
8 num = 6
9 if(even_odd( num )):
10    print("This Number",num ,"is even")
11 else:
12    print("This Number",num ,"is odd")
```

[Edit this code](#)

→ line that just executed
→ next line to execute

Step 3 of 8

[Customize visualization](#)

Print output (drag lower right corner to resize)

Frames

Global frame

even_odd

num 6

Objects

function even_odd(L)

และนี่คือผล

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Python 3.6
([known limitations](#))

```
1 def even_odd(L):
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6     else:
7         return even_odd(L)
8 num = 6
9 if(even_odd( num )):
10    print("This Number",num ,"is even")
11 else:
12    print("This Number",num ,"is odd")
```

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Done running (8 steps)

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Print output (drag lower right corner to resize)

This Number 6 is even

Frames

Global frame

even_odd

num 6

Objects

function even_odd(L)

ประกาศตัวแปรทั้งหมดตามภาพ

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Python 3.6
(known limitations)

```

1 def sum(L):
2     A = 1
3     B = 0
4     for i in range(1, L+1):
5         B = B + 1/i;
6     return B;
7 L = 10
8 J = 9
9 K = 8
10 M = 7
11 N = 6
12 O = 5
13 P = 4
14 Q = 3
15 R = 2
16 S = 1
17 print("Sum of", (L), "is", round(sum(L), 17))
18 print("Sum of", (J), "is", round(sum(J), 17))
19 print("Sum of", (K), "is", round(sum(K), 17))
20 print("Sum of", (M), "is", round(sum(M), 17))
21 print("Sum of", (N), "is", round(sum(N), 17))

```

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Step 12 of 191

[Customize visualization](#)

Print output (drag lower right corner to resize)

Frames

Global frame	
sum	
L	10
J	9
K	8
M	7
N	6
O	5
P	4
Q	3
R	2
S	1

Objects

function sum(L)

ผลที่ออก

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Python 3.6
(known limitations)

```

16 S = 1
17 print("Sum of", (L), "is", round(sum(L), 17))
18 print("Sum of", (J), "is", round(sum(J), 17))
19 print("Sum of", (K), "is", round(sum(K), 17))
20 print("Sum of", (M), "is", round(sum(M), 17))
21 print("Sum of", (N), "is", round(sum(N), 17))
22 print("Sum of", (O), "is", round(sum(O), 17))
23 print("Sum of", (P), "is", round(sum(P), 17))
24 print("Sum of", (Q), "is", round(sum(Q), 17))
25 print("Sum of", (R), "is", round(sum(R), 17))
26 print("Sum of", (S), "is", round(sum(S), 17))

```

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→ next line to execute

Done running (191 steps)

[Customize visualization](#)

Print output (drag lower right corner to resize)

```

Sum of 10 is 2.9289682539682538
Sum of 9 is 2.8289682539682537
Sum of 8 is 2.7178571428571425
Sum of 7 is 2.5928571428571425
Sum of 6 is 2.4499999999999997
Sum of 5 is 2.2833333333333333
Sum of 4 is 2.0833333333333333
Sum of 3 is 1.8333333333333333
Sum of 2 is 1.5
Sum of 1 is 1.0

```

Frames

Global frame	
sum	
L	10
J	9
K	8
M	7
N	6
O	5
P	4
Q	3
R	2
S	1

Objects

function sum(L)