Hw1\_p1

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**Problem 1-1**

(a) "The Knights who say," + s2 : The Knights who say,ni!

(b) 3 \* s1 + 2 \* s2 : spamspamspamni!ni!

(c) s1[1] : p

(d) s1[1:3] : pa

(e) s1[2]+ s2[:2] : ani

(f) s1 + s2[-1] : spam!

(g) s2[len(s2)//2] : i

**Problem 1‐2**

1. "NI!" : s2.upper()
2. "ni!spamni!" : s2+s1+s2
3. "SpamNi! SpamNi! SpamNi!" : (s1+s2)\*3
4. "span" : s1[:3]+s2[0]
5. "spm" : s1[:2]+s1[3]

**Problem 1‐3**

1. "Looks like %s and %s for breakfast" % ("spam", "eggs") :

Looks like spam and eggs for breakfast

1. "There is %d %s %d %s" % (1, "spam", 4, "you") :

There is 1 spam 4 you

1. "Hello %s" % ("Suzie", "Programmer") :

illegal,因為一個%s只能輸入一個字串，無法輸入兩個

1. "%0.2f %0.2f" % (2.3, 2.3468) : 2.30 2.35
2. "%7.5f %7.5f" % (2.3, 2.3468) : 2.30000 2.34680
3. "Time left %02d:%05.2f" % (1, 37.374) : Time left 01:37.37
4. "%3d" % ("14") : illegal, %3d要輸入數字，但”14”是字串型態

Problem 1‐4

1. 3
2. 212.0
3. 5
4. 1

2

6

1. even 0

odd 1

even 2

odd 3

even 4

odd 5

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1. 0.625
2. 8
3. 21
4. 21, 64, 32, 16, 8, 4, 2, 1.

Problem 1‐5

1. Yuck
2. 4
3. alpha < zebra

Problem 1‐6

thief = 1

while thief <= 4:

one=thief!=1

two=thief==3

three=thief==4

four=thief==3

if int(one)+int(two)+int(three)+int(four)==3:

print('The thief is', thief)

thief = thief + 1