Homework # 8 Sample Solution

1) Sciatch	Stack Mair 1	Heap
	a_list b_list	3[1, Z, 3]4
	templist item=123	一一, [圣灵], 程, 6
Printed Output		

Finter Output

[1,-7, 3, 47]

[1,-7, 3, 47]

[2,4,6]

There is no elegant way to indicated changes in the heap. Just make clear what is happen. You can always new the values/list as needed values/list as needed

2) Stack Heap

Main?

a-dict

b-dict

temp-dict

item = X Z 34

{ } 1: 'cat', 2: dos',

100: 'pis' }

2: 'dog!!' }

34: fish!!' }

{ 1: 'cat', 2: 'snail', 34: fish', 100: pis'}
} 1: 'cat', 2: 'snail', 34: fish', 100: pis'}

{ 1: (at!!), 2: dos!!, 34: fish!!!}

Note: item logps
ore the keys
of a-dict

3 Sciatul

Stade

Hup

main 3

a-str='bye'

b-str= 'byez'

temp-str = 1 16! 16!y! 'b!y!c!'

item = 16 'y('c'

Since strings

are immulables

and in opes

working heap

bye byez b!y!e!

It is worth your time to think carefully about #1-#3

Heap Scrotch Stack main 4) * { 'Seme': 23 ,

7 Ferrer': 17,

'Wilson': 77 } 311 som 1 = 10 23 35 Key = 'Seme 'Ferrer'

'Wilson'

35 { 'Semé': 23, 'Ferrei': 12, 'Wilson': 0}

3 (6, A, 8, 9) a-list len(lst)=4 Denls)=4 5 = 'exam' i=9 x 2 3 4 chor = 12' 12' 12' 12' m' Notice that 92 does not print or return anything 5=12 1500' S='m'

[113]