

exercice: 4

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How many tasks did you do: 8 Didn't get the 4

Were the tasks easy, ok, difficult: Okay!

Do you need help/comments in any task (if yes, to which ones):

Part 1 and part 3 code

```
1  import random
2
3  class House:
4
5      def __init__(self, windows, floors, bed, surfaces, fridge, toiletpaper):
6          self.windows = windows
7          self.floors = floors
8          self.bed = bed
9          self.surfaces = surfaces
10         self.fridge = fridge
11         self.toiletpaper = toiletpaper
12
13         #setters
14
15     def setWindows(self, windows):
16         self.windows = windows
17
18     def setFloors(self, floors):
19         self.floors = floors
20
21     def setBed(self, bed):
22         self.bed = bed
23
24     def setSurfaces(self, surfaces):
25         self.surfaces = surfaces
26
27     def setFridge(self, fridge):
28         self.fridge = fridge
29
30     def setToiletpaper(self, toiletpaper):
31         self.toiletpaper = toiletpaper
32
33
34     #getters
35
36     def getWindows(self):
37         return self.windows
38
39     def getFloors(self):
40         return self.floors
41
42     def getBed(self):
43         return self.bed
44
45     def getSurfaces(self):
46         return self.surfaces
47
48     def getFridge(self):
49         return self.fridge
50
51     def getToiletpaper(self):
52         return self.toiletpaper
53
```

```

55
56     def __str__(self):
57         return "\nWindows are " + format(self.windows)\
58             + "\nFloors are " + format(self.floors)\
59             + "\nBed is " + format(self.bed)\
60             + "\nSurfaces are " + format(self.surfaces)\
61             + "\nFridge is " + format(self.fridge)\
62             + "\nToiletpaper is " + format(self.toiletpaper)\
63
64
65 class Cookie:
66
67     def __init__(self, init_shape):
68         self.shape = init_shape
69
70     #setters
71
72
73     def setShape(self, desired_shape):
74         self.shape = desired_shape
75
76     def setFlavor(self):
77         flavorlist = ["Chocolate", "Vanilla", "Doublechocolate", "Nut", "Strawberry", "Lemon", "Raspberr
78         self.flavor = random.choice(flavorlist)
79
80     #getters
81
82     def getSHape(self):
83         return self.shape
84
85     def getFlavor(self):
86         return self.flavor
87
88
89
90     #str-method
91
92     def __str__(self):
93         return "\nShape of cookie: " + format(self.shape)\
94             + "\nFlavor of cookie: " + format(self.flavor)\
95
96
97
98

```

```

97
98
99 def main():
100
101     #State 1
102
103     house = House("dirty", "dirty", "unmade", "dusty", "empty", "running out", )
104     print(house)
105
106     #State 2
107
108     house.setWindows("washed")
109     house.setBed("made")
110     print(house)
111
112     #State 3
113
114     house.setFloors("vacuumed")
115     house.setSurfaces("dusted")
116     print(house)
117
118     #State 4
119
120     house.setFridge("full")
121     house.setToiletpaper("enough")
122     print(house)
123
124     #State 5
125
126     house.setToiletpaper("more than enough")
127     print(house)
128
129     favoriteflavor = "Chocolate"
130
131     Favoriteflavor = input("Gimme flavor! ")
132
133     mainlist = []
134     for i in range(10):
135         cookie = Cookie("round")
136         mainlist.append(cookie)
137
138     for key in mainlist:
139         key.setFlavor()
140         if key.getFlavor() == Favoriteflavor:
141             print("this was your favorite flavor! ")
142         else:
143             print("was not")
144
145
146
147     main()
148
149
150
151
152

```

Part 1 part 3 output

```
Windows are dirty
Floors are dirty
Bed is unmade
Surfaces are dusty
Fridge is empty
Toiletpaper is running out

Windows are washed
Floors are dirty
Bed is made
Surfaces are dusty
Fridge is empty
Toiletpaper is running out

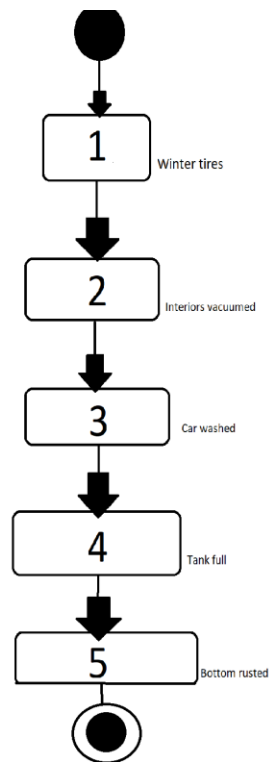
Windows are washed
Floors are vacuumed
Bed is made
Surfaces are dusted
Fridge is empty
Toiletpaper is running out

Windows are washed
Floors are vacuumed
Bed is made
Surfaces are dusted
Fridge is full
Toiletpaper is enough

Windows are washed
Floors are vacuumed
Bed is made
Surfaces are dusted
Fridge is full
Toiletpaper is more than enough

Gimme flavor! Lemon
was not
was not
was not
was not
was not
was not
this was your favorite flavor!
was not
was not
was not
```

Part 2



Part 4

Didn't know because did not get it working first time.

Part 5 code

```
C:\Users\Oskari\Desktop\Oliokoodi\Harjoitus8\Exercise8 p5.py
Exercise8 p1.py × Exercise 7 p6.py × Exercise 5 p6.py × Exercise 3 p2.py × Exercise8 p5.py ×

1  from random import shuffle
2  print('Welcome to the quiz of Osku')
3
4  with open("countrytxt.txt") as f:
5      lines = f.readlines()
6
7  shuffle(lines)
8  numRight = 0
9  wrong = []
10
11 Game = input("You want to play 'Countries' or 'Capitals'?")
12
13 if Game == "Countries":
14
15
16     for line in lines[:10]:
17         question, rightAnswer = line.strip().split("\t")
18         answer = input(question + ' ')
19         if answer == rightAnswer:
20             print('100% right!')
21             numRight += 1
22         else:
23             print('No, the answer is %s.' % rightAnswer)
24             wrong.append(question)
25
26     print('\nYou got %d right' % (numRight))
27     if (wrong):
28         print('These still needs more practice: ')
29         for q in wrong:
30             print(q)
31
32 else:
33
34     for line in lines[:10]:
35         rightAnswer, question = line.strip().split("\t")
36         answer = input(question + ' ')
37         if answer == rightAnswer:
38             print('100% right!')
39             numRight += 1
40         else:
41             print('No, the answer is %s.' % rightAnswer)
42             wrong.append(question)
43
44     print('\nYou got %d right' % (numRight))
45     if (wrong):
46         print('These still needs more practice: ')
47         for q in wrong:
48             print(q)
```

Part 5 output

```
In [57]: runfile('C:/Users/Oskari/Desktop/Oliokoodi/Harjoitus8/Exercise8 p5.py', wdir='C:/Users/Oskari/Desktop/Oliokoodi/Harjoitus8')
Welcome to the quiz of Osku

You want to play 'Countries' or 'Capitals'?Capitals

Libreville en tiiä
No, the answer is Gabon.

Baghdad En tiiä
No, the answer is Iraq.

Bamako
No, the answer is Mali.

Oslo Norway
100% right!

Rabat
No, the answer is Morocco.

No official capital Nepal
No, the answer is Naurua.

Doha nah
No, the answer is Qatar.

Amman
No, the answer is Jordan.

Mexico city Mexico
100% right!

Accra
No, the answer is Ghana.

You got 2 right
These still needs more practice:
Libreville
Baghdad
Bamako
Rabat
No official capital
Doha
Amman
Accra

In [58]: |
```

IPython console History

LSP Python: ready conda (Python 3.7.4) main [103] Line 10, Col 1 UTF-8 CRLF RW Mem 46%

22.22

Self-assessment:

This exercise was easy/difficult/ok/etc. for me because... The task were good, because didn't get a headache.

Doing this exercise, I learned... ..

I am still wondering...

I understood/did not understand that... ; I did/did not know that... ;