TD4 TUPLE-SET-DICT

Partie N° 3 : *Piocher 7 lettres au hasard*

On se donne un dictionnaire jetons donnant le nombre de jetons pour chaque lettre

jetons = { " a " :9 , " b " :2 , " c " :2 , " d " :3 , " e " :15 , " f " :2 , " g " :2 , " h " :2 , " i "
:8 , " j " :1 , " k " :1 , " l " :5 , " m " :3 , " n " :6 , " o " :6 , " p " :2 , " q " :1 , " r " :6 , " s
" :6 , " t " :6 , " u " :6 , " v " :2 , " w " :1 , " x " :1 , " y " :1 , " z " :1}

1. Que fait le script suivant ?

```
L_jetons = []
for lettre in jetons:
    L_jetons = L_jetons + [lettre] * jetons[lettre]

print(L_jetons)
```

2. Comment choisir au hasard un entier entre 0 et 99 ?

```
from ............... import ..........
```

3. Créer une fonction pioche() qui donne en sortie 7 lettres au hasard formant un dictionnaire.

```
>>> pioche()
{'e': 2, 'i': 1, 'l': 2, 'v': 2}
```

1/ multiplication de lettre avec son nombre dans le jetons list si exist dans la list de jetons

2/ from random import random

3/

```
import random

alpha = { "a" :1 , "b" :3 , "c" :3 , "d" :2 , "e" :1 , "f" :4 , "g" :2 , "h" :4 , "i" :1 , "j"
:8 ,
        "k" :10 , "l" :1 , "m" :2 , "n" :1 , "o" :1 , "p" :3 , "q" :8 , "r" :1 , "s" :1 , "t" :1
,
        "u" :1 , "v" :4 , "w" :10 , "x" :10 , "y" :10 , "z" :10}
keys_list = list(alpha.keys())
print(keys_list)
```

```python
def pioche():
    randlettre = {}
    for i in range(7):
        random_integer = random.randint(0,25)
        random_integer2 = random.randint(0, 99)
        randlettre[keys_list[random_integer]] = random_integer2
    return randlettre

print(pioche())
```