1. What is the output of the following

Quelle est la sortie des éléments suivants

```
aList = [1, 2, 3, 4, 5, 6, 7]

pow2 =  [2 * x for x in aList]

print(pow2)
```

1. [2, 4, 6, 8, 10, 12, 14]
2. [2, 4, 8, 16, 32, 64, 128]

2. In Python, list is mutable

En Python, la liste est modifiable

1. **False**
2. **True**

3. Select all the correct options to join two lists in Python

Sélectionnez toutes les options appropriées pour joindre deux listes en Python

```
listOne  =  ['a', 'b', 'c', 'd']
listTwo =  ['e', 'f', 'g']
```

1. newList = listOne + listTwo
2. newList = extend(listOne, listTwo)
3. newList = listOne.extend(listTwo)
4. newList.extend(listOne, listTwo)

4. What is the output of the following list assignment

Quelle est la sortie de l'affectation de liste suivante

```
aList = [4, 8, 12, 16]
aList[1:4] = [20, 24, 28]
print(aList)
```

1. **[4, 20, 24, 28, 8, 12, 16]**
2. **[4, 20, 24, 28]**

5. What is the output of the following list operation

Quelle est la sortie de l'opération de liste suivante

```
aList = [10, 20, 30, 40, 50, 60, 70, 80]
print(aList[2:5])
print(aList[:4])
print(aList[3:])
```

1. [20, 30, 40, 50]
   [10, 20, 30, 40]
   [30, 40, 50, 60, 70, 80]

2. [30, 40, 50]
   [10, 20, 30, 40]
   [40, 50, 60, 70, 80]

6. What is the output of the following

Quelle est la sortie des éléments suivants

```
l = [None] * 10
print(len(l))
```

1. 10
2. 0
3. Syntax Error

7. What is the output of the following code

Quelle est la sortie du code suivant

```
aList = ["PYnative", [4, 8, 12, 16]]
print(aList[0][1])
print(aList[1][3])
```

1. P 8

   Y 16

2. P

   12

3. Y

   16

8. What is the output of the following code

Quelle est la sortie du code suivant

```
list1 = ['xyz', 'zara', 'PYnative']

print (max(list1))
```

1. PYnative
2. zara

9. What is the output of the following

Quelle est la sortie des éléments suivants

```
aList = [5, 10, 15, 25]

print(aList[::-2])
```

1. [15, 10, 5]
2. [10, 5]
3. [25, 10]

10. Select all the correct options to copy a list

Sélectionnez toutes les options correctes pour copier une liste

```
aList = ['a', 'b', 'c', 'd']
```

1. newList = copy(aList)
2. newList = aList.copy()
3. newList.copy(aList)
4. newList = list(aList)

11. What is the output of the following code

Quelle est la sortie du code suivant

```
my_list = ["Hello", "Python"]
print("-".join(my_list))
```

1. HelloPython-
2. Hello-Python
3. -HelloPython

12. What is the output of the following list function?

Quelle est la sortie de la fonction de liste suivante?

```
sampleList = [10, 20, 30, 40, 50]
sampleList.append(60)
print(sampleList)

sampleList.append(60)
print(sampleList)
```

1. [10, 20, 30, 40, 50, 60]
   [10, 20, 30, 40, 50, 60]
2. [10, 20, 30, 40, 50, 60]
   [10, 20, 30, 40, 50, 60, 60]

13. What is the output of the following list operation

Quelle est la sortie de l'opération de liste suivante

```
sampleList = [10, 20, 30, 40, 50]
print(sampleList[-2])
print(sampleList[-4:-1])
```

1. 40

   [20, 30, 40]

2. IndexError: list index out of range

14. What is the output of the following list comprehension

Quel est le résultat de la compréhension de la liste suivante

```
resList = [x+y for x in ['Hello ', 'Good '] for y in ['Dear', 'Bye']]
print(resList)
```

1. **[‘Hello Dear’, ‘Hello Bye’, ‘Good Dear’, ‘Good Bye’]**
2. **[‘Hello Dear’, ‘Good Dear’, ‘Hello Bye’, ‘Good Bye’]**

15. What is the output of the following code?

Quelle est la sortie du code suivant?

```
sampleList = [10, 20, 30, 40]
del sampleList[0:6]
print(sampleList)
```

1. []
2. list index out of range.
3. [10, 20]

16. What is the output of the following list function?

Quelle est la sortie de la fonction de liste suivante?

```
sampleList = [10, 20, 30, 40, 50]
sampleList.pop()
print(sampleList)

sampleList.pop(2)
print(sampleList)
```

1. [20, 30, 40, 50]
   [10, 20, 40]

2. [10, 20, 30, 40]
   [10, 20, 30, 50]

3. [10, 20, 30, 40]
   [10, 20, 40]

17. What code would you insert into the commented line to obtain the output that reads:

Quel code insérériez-vous dans la ligne commentée pour obtenir la sortie qui lit:

a

b

c

Code:

```
dct = { }
lst = ['a','b','c','d']
for i in range(len(lst) -1):
    dct[lst[i]] = ( lst[i], )
for i in sorted(dct.keys()):
    k = dct[i]
    # insert your code
```

1. **print(k[0])**
2. **print(k)**
3. **print(k[“0”])**
4. **print(k[‘0’])**

18. What is the output of the following snippet?

Quelle est la sortie de l'extrait de code suivant?

```
list = ['Mary', 'had', 'a', 'little', 'lamb']
def list(L):
    del L[3]
    L[3] = 'ram'
print(list(list))
```

1. **[‘Mary’, ‘had’, ‘a’, ‘ram’]**
2. **[‘Mary’, ‘had’, ‘a’, ‘little’, ‘lamb’]**
3. **the snippet is erroneous**
4. **[‘Mary’, ‘had’, ‘a’, ‘lamb’]**

19. What is the output of the following snippet?

Quelle est la sortie de l'extrait de code suivant?

```
lst = [3, 1, -2]
print(lst[lst[-1]])
```

1. 1
2. -2
3. 3
4. -1

20. What is the output of the following snippet?

Quelle est la sortie de l'extrait de code suivant?

```
lst = [1,2,3,4]
print(lst[-3:-2])
```

1. [2,3,4]
2. [2]
3. []
4. [2,3]

21. The second assignment:

La deuxième mission:

```
vals = [0, 1, 2]

vals[0], vals[2] = vals[2], vals[0]
```

1. doesn’t change the list
2. extends the list
3. shortens the list
4. reverses the list

22. After execution of the following snippet, the sum of all vals elements will be equal to:

Après l'exécution de l'extrait de code suivant, la somme de tous les éléments vals sera égale à:

```
vals = [0, 1, 2]
vals.insert(0,1)
del vals[1]
```

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

23. Take a look at the snippet, and choose the true statement:

Jetez un œil à l'extrait de code et choisissez la vraie déclaration:

```
nums = [1,2,3]

vals = nums

del vals[1:2]
```

1. **nums is longer than vals**
2. **vals is longer than nums**
3. **nums and vals are of the same length**
4. **the snippet will cause a runtime error**

24. Which of the following sentences is true?

Laquelle des phrases suivantes est vraie?

```
nums = [1,2,3]

vals = nums[-1:-2]
```

1. **nums is longer than vals**
2. **nums and vals are of the same length**
3. **the snippet will cause a runtime error**
4. **vals is longer than nums**

25. What is the output of the following snippet?

Quelle est la sortie de l'extrait de code suivant?

```
l1 = [1,2,3]
l2 = []
for v in l1:
    l2.insert(0,v)
print(l2)
```

1. [3,2,1]
2. [1,2,3]
3. [3,3,3]
4. [1,1,1]

26. What is the output of the following snippet?

Quelle est la sortie de l'extrait de code suivant?

```
l1 = [1,2,3]
for v in range(len(l1)):
l1.insert(1,l1[v])
print(l1)
```

1. [1, 2, 3, 3, 2, 1]
2. [1, 2, 3, 1, 2, 3]
3. [3, 2, 1, 1, 2, 3]
4. [1, 1, 1, 1, 2, 3]

27. How many elements does the L list contain?

Combien d'éléments la liste L contient-elle?

```
L = [i for i in range(-1,2)]
```

1. one
2. four
3. three
4. two

28. What is the output of the following snippet?

Quelle est la sortie de l'extrait de code suivant?

```
T = [[3-i for i in range (3)] for j in range (3)]
s = 0
for i in range(3):
    s += T[i][i]
print(s)
```

1. 4
2. 2
3. 7
4. 6

29. What is the output of the following snippet?

Quelle est la sortie de l'extrait de code suivant?

```
L = [[0, 1, 2, 3] for i in range(2)]
print(L[2][0])
```

1. the snippet will cause a runtime error
2. 1
3. 2
4. 0