TP3

March 28, 2021

Objetctif

l'objectif de ce Tp est d'apprendre la manipulation des séquences en utilisant les differentes techniques et méthodes prédifinies en Python.

Exercice 1 Soit la liste :

[ ]:
```
l=[0,1,2,3,4,5,6,7,8,9]
```

1. Executez les instructions suivantes:

[ ]:
```
print(l[0])
```

[ ]:
```
print(l[len(l)])
```

[ ]:
```
print(l[len(l)-1])
```

[ ]:
```
print(l[-1])
```

[ ]:
```
print(l[-len(l)])
```

[ ]:
```
print(l[:])
```

[ ]:
```
print(l[0:len(l):1])
```

[ ]:
```
print(l[:3])
```

[ ]:
```
print(l[4:])
```

[ ]:
```
print(l[-1::-1])
```

[ ]:
```
l.insert(3,'a')
print(l)
```

[ ]:
```
x=l.pop()
print(x,l)
```

[ ]:
```
x=l.pop(3)
print(x,l)
```

[ ]:
```
l.reverse()
print(l)
```

[ ]:
```
l.append(9)
print(l)
```

[ ]:
```
l+=['A']
print(l)
```

[ ]:
```
l.extend(['B','C','D'])
print(l)
```

[ ]:
```
l.append('A')
print(l)
```

[ ]:
```
l.remove('A')
print(l)
```

[ ]:
```
print(l.index(1))
```

[ ]:
```
print(l.index(1,7,9))
```

[ ]:
```
print(l.index(1,2,7))
```

2. Ecrivez les instructions nécessaires pour afficher :

a. Les contenues des cases d'indice paire

[ ]:
```

```

b. Les contenues des case d'indice impaire

[ ]:
```

```

c. Les trois derniers éléments de deux manières

[ ]:
```

```

[ ]:
```

```

d. Remplacez les 4 premières valeurs par les lettres a, b,c et d

[ ]:
```

```

Exercice 2

Soit la liste :

[ ]:
```
l=[1,2,3,4,5,6]
```

1. Définir le tuple **t** ayant les mêmes éléments que **l** et dans les mêmes positions de deux manières

[ ]:

[ ]:

2. Executez les instructions suivantes :

[ ]:
```
print(t[0])
```

[ ]:
```
print(t[len(t)])
```

[ ]:
```
print(t[len(t)-1])
```

[ ]:
```
print(t[-1])
```

[ ]:
```
print(t[-len(t)])
```

[ ]:
```
print(t[:])
```

[ ]:
```
print(t[1:4:2])
```

[ ]:
```
print(t.index(3))
```

[ ]:
```
print(t.index(3,2,5))
```

[ ]:
```
print(t.index(3,3,5))
```

[ ]:
```
t[1]=2
```

Exercice 3

Soit la liste :

[ ]:
```
l=['Bonjour','les','amis']
```

1. Exécuter les instructions suivantes :

[ ]:
```
ch=str(l)
print(ch)
```

[ ]:
```
print(ch[0])
```

[ ]:
```
print(ch[1])
```

[ ]:
```
print(ch[len(ch)])
```

[ ]:
```
print(ch[len(ch)-1])
```

[ ]:
```
print(ch[-1])
```

[ ]:
```
print(ch[1:6])
```

[ ]:
```
ch11="LIEN".join(l)
print(ch11)
```

[ ]:
```
ch12=",".join(l)
print(ch12)
```

[ ]:
```
ch1=" ".join(l)
print(ch1)
```

[ ]:
```
print('l=',l)
l11=ch11.split("LIEN")
print('l11=',l11)
l12=ch12.split(',')
print('l12=',l12)
l1=ch1.split()
print('l1=',l1)
```

[ ]:
```
print('.'.join("bonjour"))
```

[ ]:
```
ch2=ch1.upper()
print('ch1 =',ch1,'\nch2 =',ch2)
```

[ ]:
```
ch3=ch2.lower()
print('ch2 =',ch2,'\nch3 =',ch3)
```

[ ]:
```
print(ch2[0].lower())
```

[ ]:
```
print(ch3[-1].upper())
```

[ ]:
```
ch3[0]="B"
```

[ ]:
```
ch4=ch3.replace('o','O')
print(ch4)
```

[ ]:
```
ch5=ch3.replace('o','O',1)
print(ch5)
```

[ ]:
```
print(ch4.find('O'))
```

[ ]:
```
print(ch4.find('O',2))
```

[ ]:
```
print(ch4.find('O',2,4))
```

[ ]:
```
print(ch4.index('O'))
```

[ ]:
```
print(ch4.index('O',2))
```

[ ]:
```
print(ch4.index('O',2,4))
```