classroom-assignment-by-vineeta-mam-on-list

Use the "Run" button to execute the code.

```
!pip install jovian --upgrade --quiet
```

```
import jovian
```

```
# Execute this to save new versions of the notebook
jovian.commit(project="classroom-assignment-by-vineeta-mam-on-list")
```

```
python >
version
```

```
  File "/tmp/ipykernel_37/1522975351.py", line 1
    python >
           ^
SyntaxError: invalid syntax
```

1. Write a Python program find a list of integers with exactly two occurrences of nineteen and at least three occurrences of five.

[19, 19, 5, 5, 5, 5, 5] Output: True

[19, 15, 15, 5, 3, 3, 5, 2] Output: False"

```
a=[]
n=int(input('Enter length of input data'))
for i in range (n):
    b=int(input())
    a.append(b)
print (a)
a.count(19)
a.count(5)
if a.count(19) ==  2 and a.count(5) >= 3:
    print ('True')
else:
    print('False')
```

```
Enter length of input data7
19
19
5
6
5
5
4
```

```
[19, 19, 5, 6, 5, 5, 4]
True
```

2. Write a Python program that accept a list of integers and check the length and the fifth element. Return true if the length of the list is 8 and fifth element occurs thrice in the said list.

Input: [19, 19, 15, 5, 5, 5, 1, 2] Output: True Input: [19, 15, 5, 7, 5, 5, 2] Output: False"

```
a=[]
# n=int(input('Enter length of input data'))
# for i in range (n):
while True:
    b=(input("enter list elements: "))
    if b=="":
        break
    a.append(int(b))
print (a)
print(len(a))
c=a[4]
print("THe count of Fifth element",b ,"is",a.count(b))
if len(a)==8 and a.count(c)==3:
    print("TRUE")
else:
    print("FALSE")
```

3. Write a Python program to split a string of words separated by commas and spaces into two lists, words and separators.

Input: The dance, held in the school gym, ended at midnight. Output: [['The', 'dance', 'held', 'in', 'the', 'school', 'gym', 'ended', 'at', 'midnight.'], [' ', ',', ' ', ' ', ' ', ' ', ' ', ' ', ',', ' ', ' ', ' ']]"

```
str="The dance, held in the school gym, ended at midnight."
l1=str.replace(",","").split()
l2=[]
fl=[]
for i in str:
    if i==",":
        l2.append(",")
    if i==" ":
        l2.append(" ")
fl.append(l1)
fl.append(l2)
print(fl)
```

```
[['The', 'dance', 'held', 'in', 'the', 'school', 'gym', 'ended', 'at', 'midnight.'], [' ', ',', ' ', ' ', ' ', ' ', ' ', ' ', ',', ' ', ' ', ' ']]
```

4. Write a Python program to find missing numbers from a list.

Input : [1,2,3,4,6,7,10] Output : [5, 8, 9]

```
# c=[]
# while True:
#     a=input("Enter list elements: ")
#     if a=="":
#         break
#         c.append(int(a))
a=[1,2,3,4,6,7,10]
b=[]
for i in range(a[0],a[-1]+1):
    print(end="")
    if i not in a:
        b.append(i)
print("The Missing numbers are :", b)
```

```
The Missing numbers are : [5, 8, 9]
```

5. Write a Python program to push all zeros to the end of a list.

Input : [0,2,3,4,6,7,10] Output : [2, 3, 4, 6, 7, 10, 0]

```
a=[0,2,3,4,6,7,10]
for i in range (len(a)):
    if a[i]==0:
        b=a[i]
        a.pop(i)
        a.append(0)

print(a)
```

```
[2, 3, 4, 6, 7, 10, 0]
```

```

```