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Subject- letsupgrade python batch 7 Day 5 Assignment

▼ Question 1

Write a program to identify sub list [1,1,5] is there in the given list in the same order, if yes print "it's a Match" if no then print "it's Gone" in function.

Example -

Listy =[1,5,6,4,1,2,3,5] - it's a Match Listy = [1,5,6,5,1,2,3,6] - it's Gone

```
lst=[1,1,5]
def sublist(lis):
    a=0
    count=0
    for item in lst:
        for i in range(a,len(lis)):
            if item==lis[i]:
                a=i+1
                count+=1
                break
    if count==len(lst):
        print('its a match')
    else:
        print('its gone')

listy=[[1,5,6,5,1,2,3,5],[1,2,3,5,1,2,3,4,6],[1,2,3,4,5,6,7,1,2,3,4,5,5,6,7],[1,5,6,4,1,2,
for lists in listy:
    sublist(lists)

↳ its a match
   its gone
   its a match
   its a match
```

▼ Question 2

Make a Function for prime numbers and use Filter to filter out all the prime numbers from 1-2500

```
def Prime(num):
    if num>1:
        for i in range(2,num):
            if num%i==0:
                return False
        else:
            return True
    else:
        return str(num)+' neither prime nor composite'
a=1
b=2500
new_list=filter(Prime,range(a,b))
print(list(new_list))
```

```
☞ [1, 2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71, 73,
```

▼ Question 3

Make a Lambda function for capitalizing the whole sentence passed using arguments. And map all the sentences in the List, with the lambda functions

["hey this is sai",I am in mumbai",....] o/p- ["Hey This Is Sai", I Am In Mumbai",....]

```
a='this is jalaj '
b=' '
lst=a.split()
listy=[]
for item in lst:
    listy.append(item.capitalize())
b.join(listy)
capitalizestring= lambda v:" ".join(map(lambda x:x.capitalize(),input().split()))
sent=map(capitalizestring,range(int(input('Enter the number of sentences you wanna enter:')))
s=list(sent)
print(s)
```

```
☞ Enter the number of sentences you wanna enter:1
'hey this is jalaj,I am in kasganj,....
["'hey This Is Jalaj,i Am In Kasganj,...."]
```

