101916125 ass1 ml

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[3]:
```
s = "Hi there Class!"

print(s.split())
```

```
['Hi', 'there', 'Class!']
```

[4]:
```
planet = "earth"

diameter = 12742

print("The diameter of the {} is {} kilometers.".format(planet , diameter))
```

```
The diameter of the earth is 12742 kilometers.
```

[5]:
```
lst = [1,2,[3,4],[5,[100,200,['hello']],23,11],1,7]

print(lst[3][1][2])
```

```
['hello']
```

[8]:
```
d = {'k1':[1,2,3,{'tricky':['oh','man','inception',{'target':
 ↪[1,2,3,'hello']}]}]}

print(d['k1'][3]['tricky'][3]['target'][3])
```

```
hello
```

[9]:
```
string = "user@domain.com"

def grabDomain(string):
    myString = ""
    found = False
    for i in string:
        if(found):
            myString = myString + i

        if(i == "@"):
```

```
            found = True

    return myString

print(grabDomain(string))
```

```
domain.com
```

[11]:
```
def countFound(string , searchString):

    count = 0

    for i in range(len(string)):
        if(string[i:i+len(searchString)] == searchString):
            count = count + 1

    return count



def foundTrueFalse(string , searchString):

    count = countFound(string , searchString)

    if(count > 0):
        return True
    else:
        return False


print(foundTrueFalse("cksdog nkjsbak dog" , "dog"))
```

```
True
```

[12]:
```
def countFound(string , searchString):

    count = 0

    for i in range(len(string)):
        if(string[i:i+len(searchString)] == searchString):
            count = count + 1

    return count
```

```
print(countFound("cksdog nkjsbak dog" , "dog"))
```

2

[13]:
```
seq = ['soup','dog','salad','cat','great']

print(list(filter(lambda word:word[0] == 's' , seq)))
```

['soup', 'salad']

[16]:
```
def caugthSpeed(speed):
    if(speed <= 60):
        return "no challan"
    elif(speed <= 80):
        return "small challan"
    elif(speed > 80):
        return "big challan"

print(caugthSpeed(60))
print(caugthSpeed(80))
```

no challan
small challan

[17]:
```
list1 = ["M", "na", "i", "She"]
list2 = ["y", "me", "s", "lly"]

resultList = []

for i,j in zip(list1 , list2):
    resultList.append(i + j)

print(resultList)
```

['My', 'name', 'is', 'Shelly']

[18]:
```
list1 = ["Hello ", "take "]
list2 = ["Dear", "Sir"]

resultList = []

for i in list1:
    for j in list2:
        resultList.append(i + j)
```

```
print(resultList)
```

```
['Hello Dear', 'Hello Sir', 'take Dear', 'take Sir']
```

[23]:
```
list1 = [10, 20, [300, 400, [5000, 6000], 500], 30, 40]
list1[2][2].insert(2 , 7000)


print(list1)
```

```
[10, 20, [300, 400, [5000, 6000, 7000], 500], 30, 40]
```

[30]:
```
list1 = [5, 20, 15, 20, 25, 50, 20]


for i in list1:
    if(i == 20):
        list1.remove(20)


print(list1)
```

```
[5, 15, 25, 50]
```

[31]:
```
d = {'a': 100, 'b': 200, 'c': 300}


for i,j in d.items():
    if(j == 200):
        print(True)
```

```
True
```

[33]:
```
# Find the sum of the series 2 +22 + 222 + 2222 + .. n terms


n = int(input("Enter the value of n : "))

sum = 0

for i in range(n):

    number  = ""
    for j in range(i+1):
```

```
        number = number + "2"

    number  = int(number)

    sum = sum + number

print(sum)
```

```
Enter the value of n : 4
2468
```

[ ]: