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Trusted | Python 3 (ipykernel)

Run Code

In [1]:
```
7**4
```

Out[1]: 2401

In [2]:
```
planet="Earth"
diameter=12742
print("The diameter of {} is {} kilometers.".format (planet,diameter))
```

```
The diameter of Earth is 12742 kilometers.
```

In [3]:
```
s= 'Hi there sam!'
s.split()
```

Out[3]: ['Hi', 'there', 'sam!']

In [4]:
```
lst = [1,2,[3,4],[5,[100,200,['hello']],23,11],1,7]
lst[3][1][2][0]
```

Out[4]: 'hello'

In [5]:
```
d = {'k1':[1,2,3,{'tricky':['oh','man','inception',{'target':[1,2,3,'hello']}]}]}
d['k1'][3]['tricky'][3]['target'][3]
```

Out[5]: 'hello'

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Logout

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Not Trusted | Python 3 (ipykernel)

Run Code

In [2]:
```
def domainGet(email):
    return email.split('@')[-1]
domainGet('user@domain.com')
```

Out[2]: 'domain.com'

In [3]:
```
def findDog(st):
    return 'dog' in st.lower().split()
findDog('Is there a dog here?')
```

Out[3]: True

In [5]:
```
seq = ['soup','dog','salad','cat','great']
list(filter(lambda word: word[0]=='s',seq))
```

Out[5]: ['soup', 'salad']

In [2]:
```
def caught_speeding(speed,is_birthday):


    if is_birthday:
        speeding = speed - 5
    else:
        speeding = speed

    if speeding > 80:
        return 'Big Ticket'
    elif speeding > 60:
        return 'Small Ticket'
    else:
        return 'No Ticket'
```

In [3]:
```
caught_speeding(81,True)
```

Out[3]: 'Small Ticket'

In [4]:
```
caught_speeding(81,False)
```

Out[4]: 'Big Ticket'