In [26]:
```python
myList = ["machine", "learning", 0, 0, 2, 2, "machine", "learning", "and", "learning"]
mySet = set(myList)
print(len(mySet))
```

```
5
```

In [25]:
```python
myDict = {}
words = input().split(" ")
mySet = set(words);
for key in mySet:
    myDict[key] = words.count(key)
print(myDict)
```

```
apple apple ham machine echo machine learn learn apple
{'learn': 2, 'ham': 1, 'apple': 3, 'echo': 1, 'machine': 2}
```

In [28]:
```python
strList = ["machinexyzlearning", "machine learning", "learning machine", "learning xyz machine"]
for i in strList:
    if "xyz" in i:
        print(i)
```

```
machinexyzlearning
learning xyz machine
```

In [30]:
```python
strList = ["machinexyzlearning", "machine learning", "learning xyz", "xyzlearning machine", "test xyz test"]
for str in strList:
    if str.startswith("xyz") or str.endswith("xyz"):
        print(str)
```

```
learning xyz
xyzlearning machine
```

In [38]:
```python
def isPrime(num):
    if num == 2 or num == 3:
        return True
    if num % 2 == 0 or num < 2:
        return False
    for n in range(3, int(num ** 0.5) + 1, 2):
        if num % n == 0:
            return False
    return True


foundedPrimes = 0
itr = 2
primes = []
while foundedPrimes < 50:
    if isPrime(itr):
        primes.append(itr)
        foundedPrimes += 1
    itr += 1


print(primes)
```

[2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 71, 73, 79, 83, 89, 97, 101, 103, 107, 109, 113, 127, 1
31, 137, 139, 149, 151, 157, 163, 167, 173, 179, 181, 191, 193, 197, 199, 211, 223, 227, 229]

In [ ]: