In [32]:
```
primes = [];
for i in range(2,101):
    prime = True;
    for j in range(2,int(i**0.5) + 1):
        if (i%j == 0):
            prime=False;
            break;
    if prime:
        primes.append(i);
print(primes)
```

```
[2, 3, 5, 7, 11, 13, 17, 19, 23, 29, 31, 37, 41, 43, 47, 53, 59, 61, 67, 7
1, 73, 79, 83, 89, 97]
```

In [54]:
```
word = 'Data Science'
result = '';
for i in range(len(word) - 1, -1, -1):
    result += word[i]
print(result)
```

```
ecneicS ataD
```

In [60]:
```
inp = input('Give a string')
all = [];
for char in inp:
    if (char not in 'my_string' and char not in all):
        all.append(char);
print(len(all))
```

```
1
```

In [68]:
```
def checkRange(n):
    if (n >= 1000 and n <= 10000):
        return True;
    else:
        return False;
```

In [76]:
```
print(checkRange(519))
print(checkRange(5191))
```

```
False
True
```

In [78]:
```
pp=str(int(7+8.0));
print(pp + ' happy'.upper() + '!');
```

```
15 HAPPY!
```

In [80]:
```
print('Python programs', end=' ')
```

```
Python programs
```

In [88]:
```
print('value of e is %0.1f', 2.713);
```

```
value of e is %0.1f 2.713
```

In [90]:
```
print('value of e is %0.1f' %2.713);
```

```
value of e is 2.7
```

In [94]:
```
print('Programming in python version %d' %3.5);
```

Programming in python version 3

In [100…
```
print("%20s : %d" % ("Python 3.0 is also known as Python", 3000.57));
```

```
Python 3.0 is also known as Python : 3000
```

In [102…
```
x = 2
print("{0:2d} {1:3d} {2:4d}".format(x, x*x, x*x*x));
```

```
2   4    8
```