

Practice Problem 7.1

What is printed?

```
s = "To err is human; to forgive, divine."
a = s.split(",")
print( len(a) )
print( a[1] )
```

```
b = s.split(";")
print( len(b) )
print( b[0] )
```

```
c = b[1].split(",")
print( len(c) )
print( c[1] )
```

```
2
divine.
2
To err is human
2
divine.
```

Practice Problem 7.2

What is printed?

```
dwarfs = ['Bashful', 'Dopey', 'Happy', 'Doc',
          'Grumpy', 'Sleepy', 'Sneezy' ]
x = ", ".join(dwarfs)
y = " or ".join(dwarfs)
```

```
print(x)
print(y)
```

```
z1 = [dwarf for dwarf in x.split(",") ]
z2 = [dwarf.strip() for dwarf in x.split(",") ]
print(z1)
print(z2)
```

```
Bashful, Dopey, Happy, Doc, Grumpy, Sleepy, Sneezy
Bashful or Dopey or Happy or Doc or Grumpy or Sleepy or Sneezy
['Bashful', ' Dopey', ' Happy', ' Doc', ' Grumpy', ' Sleepy', ' Sneezy']
['Bashful', 'Dopey', 'Happy', 'Doc', 'Grumpy', 'Sleepy', 'Sneezy']
```