Slicing

In [1]:
```
lista = [1,2,3,4,5,6,7]
print(lista[1:3])
```

```
[2, 3]
```

In [2]:
```
cadena = "Complejidad"
print(cadena[4:8])
```

```
leji
```

Enumerate

In [3]:
```
lenguajes = ["Java", "C", "C++", "Rust", "Elixir"]
```

In [6]:
```
list(enumerate(lenguajes))
```

Out[6]:
```
[(0, 'Java'), (1, 'C'), (2, 'C++'), (3, 'Rust'), (4, 'Elixir')]
```

In [7]:
```
for i, c in enumerate(cadena):
  print (f"{i} -> {c}")
```

```
0 -> C
1 -> o
2 -> m
3 -> p
4 -> l
5 -> e
6 -> j
7 -> i
8 -> d
9 -> a
10 -> d
```

In [12]:
```
text = "patriciapatriciapatricia"
p = "a"

n = len(text)
l = len(p)
resultado = []

for i in range(n - l):
  if p == text[i:i+l]:
    resultado.append(i)
```

In [13]:
```
resultado
```

Out[13]:
```
[1, 7, 9, 15, 17]
```

In [24]:
```
def stringmatch(text,p):
  n = len(text)
  l = len(p)
  resultado = []

  for i in range(n - l +1 ):
    if p == text[i:i+l]:
```

```
        resultado.append(i)

    return resultado
```

In [25]:
```
stringmatch("upc complejidad algoritmica upc", "upc")
```

Out[25]:
```
[0, 28]
```