

Working with Lists

(freecodecamp video)

List Syntax

friends	friends [0]	friends[1]	friends[2]
	Kevin	Karen	Jim

```
friends = ["Kevin", "Karen", "Jim"]
```

```
print(friends)
```

#What is the output?

List begin with **INDEX 0**

friends	friends [0]	friends[1]	friends[2]
	Kevin	Karen	Jim

```
friends = ["Kevin", "Karen", "Jim"]
```

```
print(friends)
```

#What is the output?

ACCESSING AN ITEM in a List by their INDEX (position)

friends	friends [0]	friends[1]	friends[2]
	Kevin	Karen	Jim

```
friends = ["Kevin", "Karen", "Jim"]
```

```
print(friends[0])
```

```
print(friends[2])
```

#What is the output?

You can even access a **list backwards** (**Negative Indexes**)

friends = ["Kevin", "Karen", "Jim"]

friends	friends [0]	friends[1]	friends[2]
	Kevin	Karen	Jim
		friends[-2]	friends[-1]

print(**friends**[-1])

#last item is -1

print(**friends**[-2])

#What is the output?

**For example, you have a list of 105 guests, but your venue only allows 100 guests. So you need to remove the last 5 guests from your list.*

List Slicing

Slicing a List

friends	friends [0]	friends[1]	friends[2]
	Kevin	Karen	Jim

```
friends = ["Kevin", "Karen", "Jim"]
```

```
print(friends[1: ])
```

#from index 1 until the end of the list
#What is the output?

Slicing a List – given a Range

friends	friends [0]	friends[1]	friends[2]	friends[3]	friends[4]
	Kevin	Karen	Jim	Oscar	Toby

```
friends = ["Kevin", "Karen", "Jim", "Oscar", "Toby"]
```

```
print(friends[1:3])
```

#from index 1 up to NOT including

#index 3

#What is the output?

Modifying a List

friends	friends [0]	friends[1]	friends[2]	friends[3]	friends[4]
	Kevin	Mike	Jim	Oscar	Toby

```
friends = ["Kevin", "Karen", "Jim", "Oscar", "Toby"]
```

```
friends[1] = "Mike"
```

```
print(friends[1])
```

```
print(friends)
```

#Modifying a List

#What is the output?