

Working with Lists

(freecodecamp video)

List Syntax

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

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

```
print(friends)
```

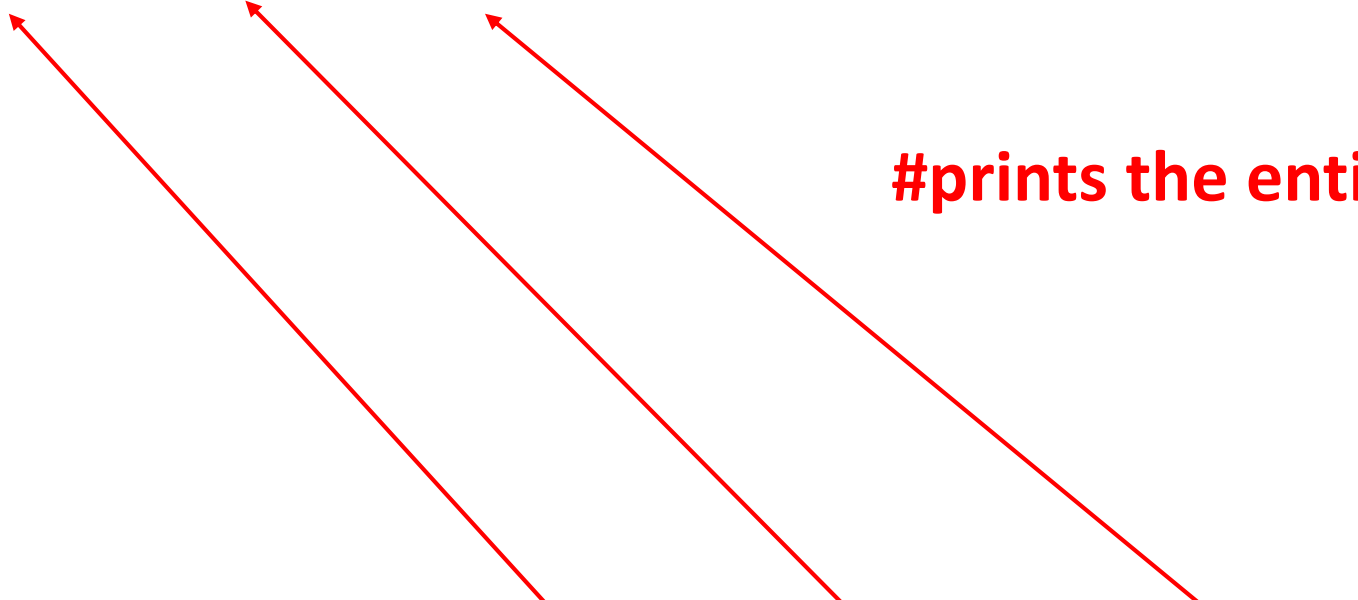
```
#prints the entire list
```

List begin with **INDEX 0**

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

print(friends)

#prints the entire list



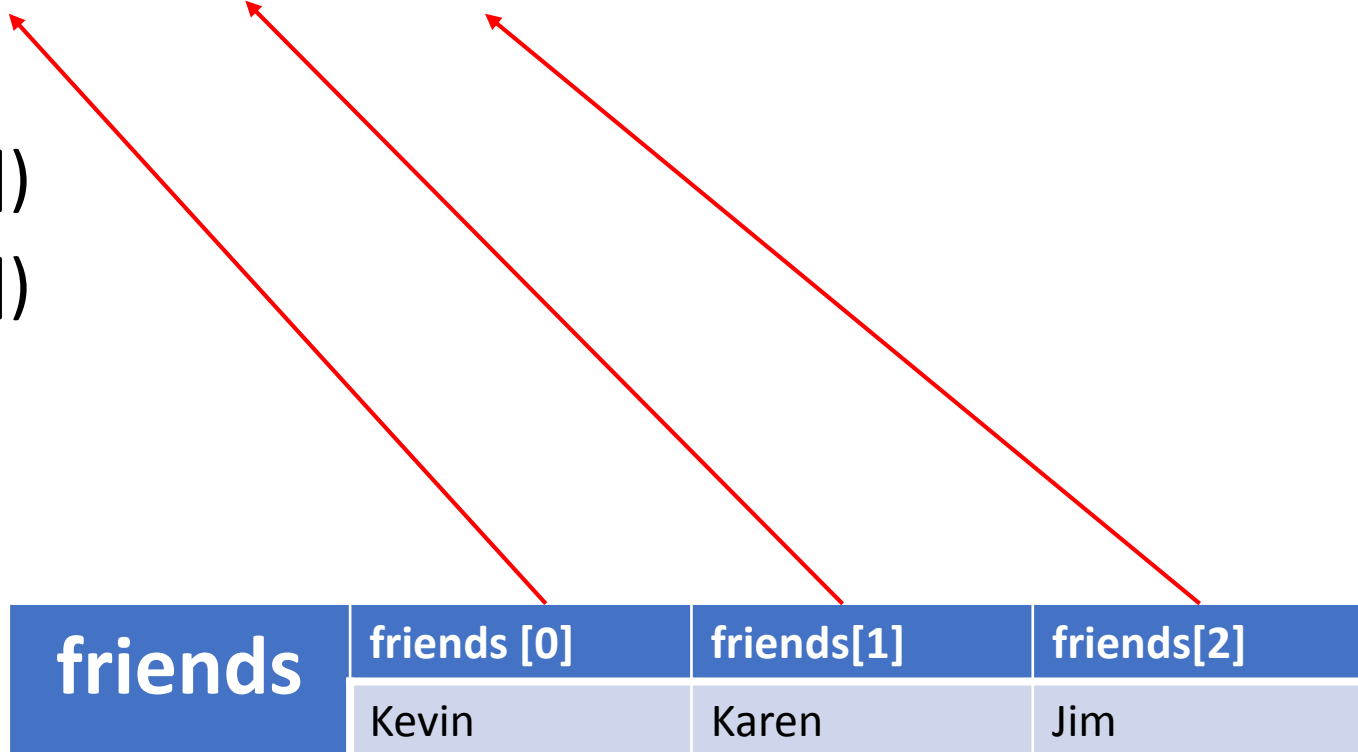
friends	friends [0]	friends[1]	friends[2]
	Kevin	Karen	Jim

List begin with **INDEX 0 – Accessing** Element in
a List by the **INDEX**

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

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

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



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

Accessing an Element in a List and the back of the list (use negative values)

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

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

#last item is -1

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

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

List Slicing

Slicing a List

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

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

#from index 1 until the end of the list

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

Slicing a List – given a Range

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

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

**#from index 1 up to NOT including
#index 3**

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

Slicing a List – given a Range

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

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

**#from beginning up to NOT including
#index - 2**

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