Traverse through a List
using a
for loop

Save As: list_forloop.py

Starting at the first position, go through the list until the last position.

animals = ["cat", "rat", "bat", "bird"]

supplies = ["pens", "staplers", "binders", "pencils"]

scores = [80, 90, 95, 75]

METHOD 1: Traverse over entire List using for loop

pet	0	1	2	3
animals	animals[0]	animals[1]	animals[2]	animals[3]
	cat	rat	bat	bird

animals = ["cat", "rat", "bat", "bird"]

```
for pet in animals:
    print(pet)
```

METHOD 1: Traverse over entire List using for loop

item	0	1	2	3
supplies	supplies[0]	supplies[1]	supplies[2]	supplies[3]
	pens	staplers	binders	pencils

supplies = ["pens", "staplers", "binders", "pencils"]

for item in supplies:
    print(item)

METHOD 1: Traverse over entire List using for loop

num	0	1	2	3
scores	scores[0]	scores[1]	scores[2]	scores[3]
	80	90	95	75

scores = [80, 90, 95, 75]

for num in scores:
      print(num)

METHOD 2: Traverse over a portion of the List using a for loop using range

pet	0	1	2	3
animals	animals[0]	animals[1]	animals[2]	animals[3]
	cat	rat	bat	bird

animals = ["cat", "rat", "bat", "bird"]

What is output?

```
for pet in range(2):
    print(animals[pet])
```

METHOD 3: Traverse over a List using a for loop using len Function

pet	0	1	2	3
animals	animals[0]	animals[1]	animals[2]	animals[3]
	cat	rat	bat	bird

animals = ["cat", "rat", "bat", "bird"]

```
for pet in range(len(animals)):
    print(animals[pet])
```