

Python list examples

Example 1: Creating a List

```
# Example 1: Creating a list
fruits = ["apple", "banana", "cherry"]
print(fruits)
```

Example 2: Accessing List Items

```
# Example 2: Accessing list items
fruits = ["apple", "banana", "cherry"]
print(fruits[1]) # Output: banana
```

Example 3: Modifying List Items

```
# Example 3: Modifying list items
fruits = ["apple", "banana", "cherry"]
fruits[1] = "blueberry"
print(fruits) # Output: ["apple", "blueberry", "cherry"]
```

Example 4: Appending to a List

```
# Example 4: Appending to a list
fruits = ["apple", "banana", "cherry"]
fruits.append("orange")
print(fruits) # Output: ["apple", "banana", "cherry", "orange"]
```

Example 5: Inserting an Item into a List

```
# Example 5: Inserting an item into a list
fruits = ["apple", "banana", "cherry"]
fruits.insert(1, "blueberry")
print(fruits)  # Output: ["apple", "blueberry", "banana",
"cherry"]
```

Example 6: Removing an Item from a List

```
# Example 6: Removing an item from a list
fruits = ["apple", "banana", "cherry"]
fruits.remove("banana")
print(fruits)  # Output: ["apple", "cherry"]
```

Example 7: Popping an Item from a List

```
# Example 7: Popping an item from a list
fruits = ["apple", "banana", "cherry"]
popped_fruit = fruits.pop(1)
print(fruits)  # Output: ["apple", "cherry"]
print(popped_fruit)  # Output: banana
```

Example 8: Sorting a List

```
# Example 8: Sorting a list
fruits = ["cherry", "apple", "banana"]
fruits.sort()
```

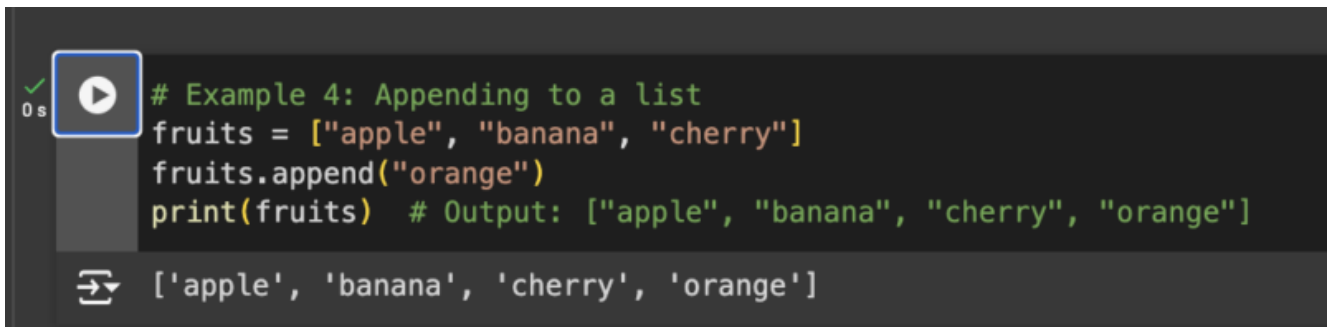
```
print(fruits) # Output: ["apple", "banana", "cherry"]
```

Example 9: Reversing a List

```
# Example 9: Reversing a list
fruits = ["cherry", "apple", "banana"]
fruits.reverse()
print(fruits) # Output: ["banana", "apple", "cherry"]
```

Example 10: List Comprehension

```
# Example 10: List comprehension
squares = [x**2 for x in range(10)]
print(squares) # Output: [0, 1, 4, 9, 16, 25, 36, 49, 64, 81]
```



```
# Example 4: Appending to a list
fruits = ["apple", "banana", "cherry"]
fruits.append("orange")
print(fruits) # Output: ["apple", "banana", "cherry", "orange"]
```

['apple', 'banana', 'cherry', 'orange']