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Create a List, tuple and Dictionary with 5 elements in it and how to access few elements based on the index. Try with different examples

List

```
[1]: # List Example

colors = ["red", "blue", "green", "yellow", "purple"]

print(colors[1])
print(colors[3])

colors[2] = "cyan"
print(colors)

print(colors[2:])

blue
yellow
['red', 'blue', 'cyan', 'yellow', 'purple']
['cyan', 'yellow', 'purple']
```

Tuple

```
[3]: # Tuple Example

animals = ("lion", "tiger", "elephant", "giraffe", "zebra")

print(animals[0])
print(animals[-1])
print(animals[1:4])

lion
zebra
('tiger', 'elephant', 'giraffe')
```

Dictionary

```
# Creating a dictionary

person = {
    "name": "Alice",
    "age": 25,
    "city": "New York",
    "profession": "Engineer",
    "hobby": "Photography"
}

print(person["name"])
print(person["hobby"])
print(person.get("age"))
for key, value in person.items():
    print(f"{key}: {value}")

Alice
Photography
25
name: Alice
age: 25
city: New York
profession: Engineer
hobby: Photography
```

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[ ]:
```