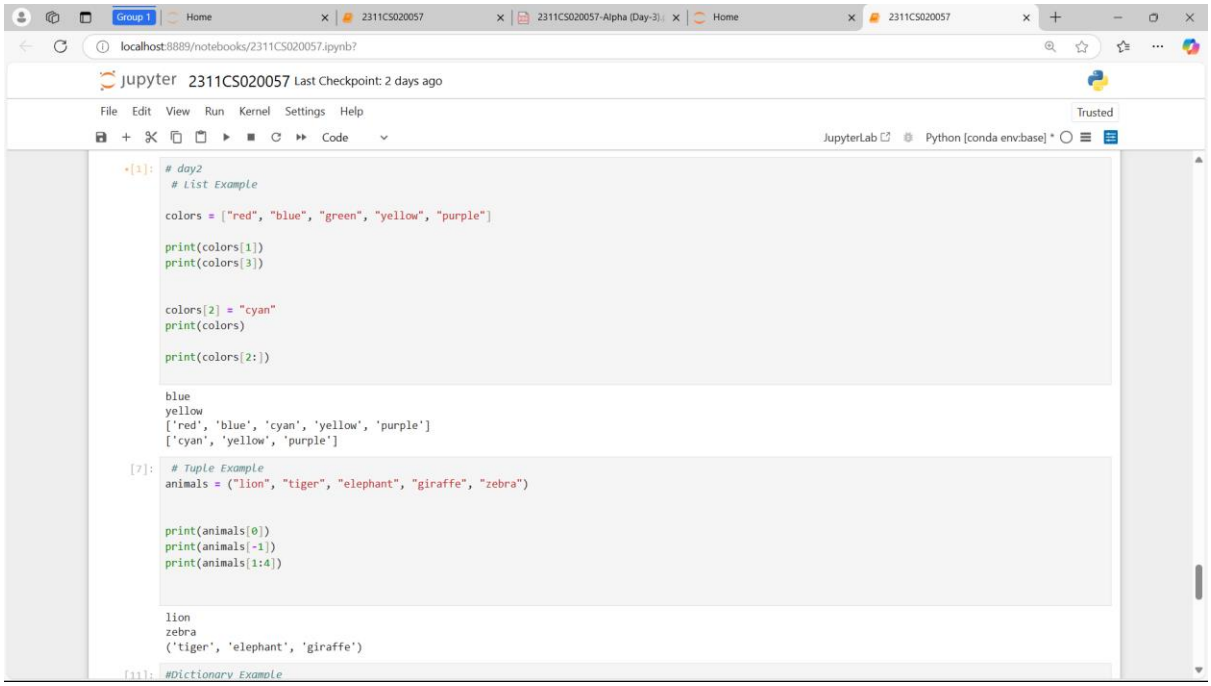
DAY_2

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.



```
# day2
 # List Example

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

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


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

print(colors[2:])
```

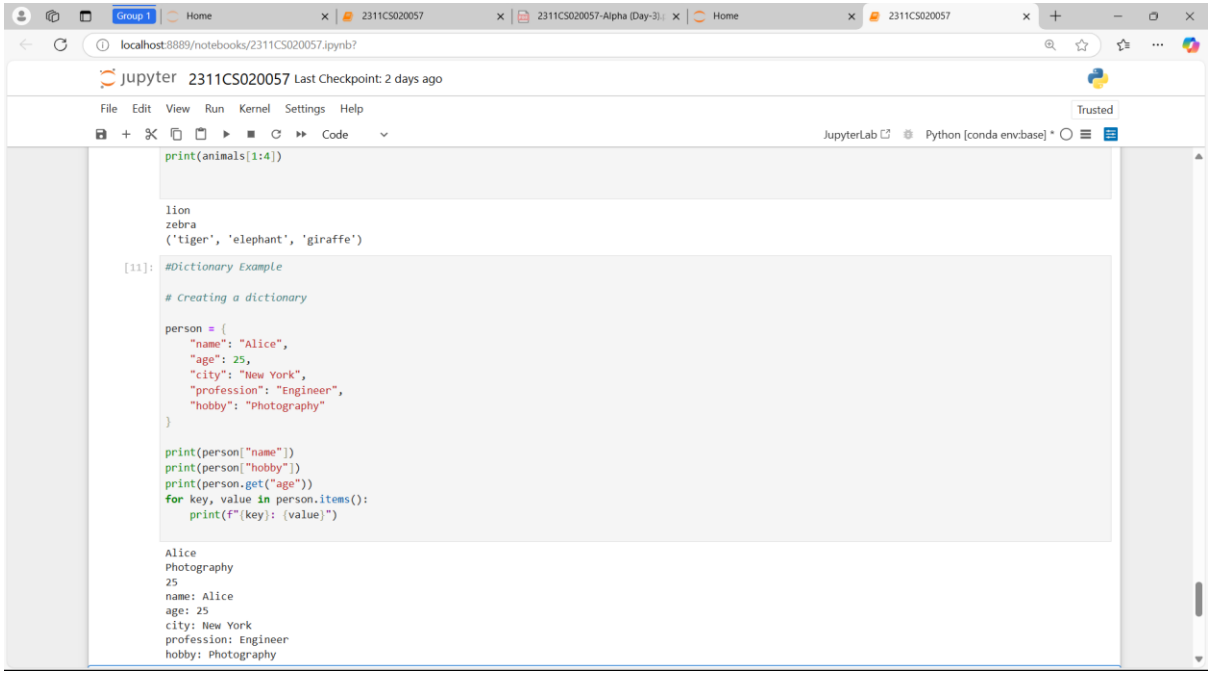
```
blue
yellow
['red', 'blue', 'cyan', 'yellow', 'purple']
['cyan', 'yellow', 'purple']
```

```
 # Tuple Example
animals = ("lion", "tiger", "elephant", "giraffe", "zebra")


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

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

```
#Dictionary Example
```



```
print(animals[1:4])
```

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

```
#Dictionary Example

# 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
```