Warmup

1. To negatively index a list is to iterate through it backwards (calling list[::-1]). This way, you can access list items in the opposite order they are listed
2. print(nums[1::3])
3. dict.values()
4. dict.keys()
5. dict.items()

Questions

a. For list in nested:
        print(list[2])
b. print(nested[0])
c. print(list[-1][-1]

Lecture notes:

```
# File : lists_and_dictionaries

numbers = [1, 2, 3, 4, 5, 5]
fruits = ["apple", "banana", "cherry"]
mixed = ["hello", 5, True, None]



# print(fruits[0],
# fruits[1],
# fruits[2],
# fruits[-1])

 # Properties of Lists
# fruits.append("date")
# fruits.insert(2, "blueberry")
# fruits.remove("blueberry")
# fruits.pop(3)
# fruits.clear
# print(fruits)

# Slicing Lists
# # indexing : [start:stop:step]
# numbers = [1, 2, 3, 4, 5, 5]
# print(numbers[2:5])
# print(numbers[:4])
# print(numbers[4:])
```

```
# print(numbers[::2])
# print(numbers[2::])
# print(numbers[:2:])
# print(numbers[2:2:2]) # stop is non-inclusive

# Dictionaries
# star = {"name": "Vega", "magnitude": 0.57, "distance": 25.05 # light
years
#         }

# print(star)

# star["class"] = "A0V"
# del star["class"]
# print(star)
# # star.clear
# # print(star)

# star.keys()
# star.values()
# star.items()


# list1 = list(range(0,11))
# print(list1)

# print(list1[0:5])
# print(list1[0::2])
# print(list1[::-1])

# a = [2, 4, 6]
# b = [8, 10, 12]
# c = [14, 16, 18]
# nested_list = [a, b, c]

# print(nested_list[2][1])

stars_data = {
"name": ["Siruis", "Vega", "Altair"],
```

```
"magnitude": [-1.46, 0.03, 0.77],
"distance_ly": [8.6, 25.0, 16.7],
"constellation": ["Canis Major",
"Lyra", "Aquila"]
}

#print(stars_data)

for star in (stars_data["name"]):
    print(star)
```