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hobby1 = "swimming"
hobby2 = "reading"
hobby3 = "jumping on trampoline"
hobby4 = "folding origami"
hobby5 = "doodling"
hobby6 = "playing soccer"

# Enter Lists
hobbies = ["swimming", "reading", "jumping on the trampoline", "folding origami",
"doodling", "playing soccer"]
# the indexes of lists START WITH 0 --> 0 is the first item, 1 is the second, etc.
print(hobbies[2])          # 3rd item
print(hobbies[5])          # 6th item
print(hobbies[0])          # 1st item
print(hobbies[3])          # 4th item

li = [2, "hello", 34, "28", "world"]
# elements in a list can be different datatypes
print(li[0] + li[2])
print(li[3] + li[1])
print()

hobbies.pop(3)
# hobbies.remove("folding origami") removes the first occurrence of whatever is in
the brackets
print(hobbies[3])
hobbies.insert(3, "folding origami")
print(hobbies[3])
hobbies[3] = "playing the oboe"
print(hobbies[3])
print()
hobbies.append("singing")
print(hobbies[6])
print(f"The length of our hobbies list is now {len(hobbies)}.")

# Dictionaries
hobbies = {
    "Evan": "swimming",
    "Renee": "reading",
    "Edward": "jumping on the trampoline",
    "Cyrus": "playing the oboe",
    "Isaac": "doodling",

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        "William": "playing soccer"
    }

    print(hobbies["Evan"])
    print(hobbies["Cyrus"])
    print(hobbies["William"])
    print(hobbies["Renee"])
    print()

    name = "Isaac"
    print(f"{name} likes {hobbies[name]}")
    print()

    # Printing a list or a dictionary
    hobbies = ["swimming", "reading", "jumping on the trampoline", "folding origami",
               "doodling", "playing soccer"]
    for hobby in hobbies:
        print(hobby)

    hobbies = {
        "Evan": "swimming",
        "Renee": "reading",
        "Edward": "jumping on the trampoline",
        "Cyrus": "playing the oboe",
        "Isaac": "doodling",
        "William": "playing soccer"
    }

    for name in hobbies.keys():
        print(f"{name} likes {hobbies[name]}")
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