

Day-10

15/7

Dictionary - is an unordered, mutable collection of key-value pairs

Syntax .

my_dict = {"name": "Dharun", "age": 25}

Accessing dictionary items.

→ using .get() method .

Student = {"name": "John", "age": 20}

Print(student.get("age"))

Adding .

Student["Course"] = "Computer Science"

Updating an existing key .

Student["age"] = 21

• update() Method. → multiple updates.

Student.update({"age": 22,
"grade": "A"})

Removing Dictionary Items

→ delete a Key-pair using
del,
pop(),
popitem()

del Student["age"] → deletes a Key.

Student.pop("Course") → removes and returns value.

Student.popitem() → removes the last inserted item

Student.clear() → removes all items.

Looping through dictionary

→ Loop through Keys.

for Key in Student:
print(Key).

→ Loop through values.

for value in Student.values():
print(value)

→ Loop through Keys & values.

for k, v in Student.items():
print(f"{k} : {v}")

Nested Dictionary → dictionary inside another dictionary

Students = {
"Student1" : {"Name": "Dhruv", "age": 22},
"Student2" : {"Name": "Vishva", "age": 23},

Print (Students["Student1"]["name"])

~~Print~~ Students["Student3"] = {"name": "Sugan", "age": 24}