CSC500

Module 7 Critical Thinking Assignment

GIT Repository: <https://github.com/focomapper/CSC500>

Introduction:

This module involved creating dictionaries relating course number to three different pieces of information: course location, course instructor and course time. Additionally, this module required querying the user for the course number and returns the respective course location, instructor and time. Although this task is closely related to what I do with my day job so I found it fairly easy to design, I did use a my go to website for reference (W3Schools, 2124) for reference.

Pseudo code-

1. Create course room number dictionary.
2. Create course instructor dictionary.
3. Create course time dictionary.
4. Get user input for course number.
5. Return respective room, instructor and time.

Source code-

# Create room number dict

room\_number = {

"CSC101": "3004",

"CSC102": "4501",

"CSC103": "6755",

"NET110": "1244",

"COM241": "1411"

}

# Create instructor dict

instructor = {

"CSC101": "Haynes",

"CSC102": "Alvarado",

"CSC103": "Rich",

"NET110": "Burke",

"COM241": "Lee"

}

# Create course time dict

meeting\_time = {

"CSC101": "8:00a.m.",

"CSC102": "9:00a.m.",

"CSC103": "10:00a.m.",

"NET110": "11:00a.m.",

"COM241": "1:00p.m."

# Get user input for course number

course\_number = input("Enter course number: ")

# Validate if course exists and return course information

try:

print(f"Course: {course\_number}")

print(f"Location: Room {room\_number[course\_number]}")

print(f"Instructor: {instructor[course\_number]}")

print(f"Meeting time: {meeting\_time[course\_number]}")

except KeyError:

print("Course does not exist, enter valid course number")

exit()

Screenshot of code executing-

A computer screen shot of a program

Description automatically generated

References:

W3schools.org. (n.d). Python Dictionaries. Retrieved March 3, 2024, from https://www.w3schools.com/python/python\_dictionaries.asp