**Module 7: Critical Thinking**

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CSC500: Principles of Programming

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**Part 1 Pseudocode**

1. Create dictionaries for course numbers and their information (course number -> room number/instructor names/meeting times)
   1. Dict = {“Course Number”: “Course Information”}
2. Prompt user for a course number
   1. Display “Enter a course number:”
   2. Input course\_number
3. Display input course\_number’s respective course information
   1. IF course number is not in room\_numbers THEN
   2. print "\nCourse not found."
   3. ELSE
   4. DISPLAY "Room Number:", room\_numbers[course\_number]
   5. DISPLAY "Instructor:", instructors[course\_number]
   6. DISPLAY "Meeting Time:", meeting\_times[course\_number]

**All code**

# -\*- coding: utf-8 -\*-

"""

Created on Sat Oct 28 10:00:28 2023

@author: pulik

"""

#%%

# Create dictionaries for course information

# Create a dictionary for course numbers and room numbers

room\_numbers = {

"CSC101": "3004",

"CSC102": "4501",

"CSC103": "6755",

"NET110": "1244",

"COM241": "1411"

}

# Create a dictionary for course numbers and instructor names

instructors = {

"CSC101": "Haynes",

"CSC102": "Alvarado",

"CSC103": "Rich",

"NET110": "Burke",

"COM241": "Lee"

}

# Create a dictionary for course numebrs and meeting times

meeting\_times = {

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

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

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

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

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

}

# Prompt the user for a course number

course\_number = input("Enter a course number (e.g., CSC101):\n")

# Display course information

if course\_number not in room\_numbers:

print("\nCourse not found.")

else:

print("\nRoom Number:", room\_numbers[course\_number])

print("\nInstructor:", instructors[course\_number])

print("\nMeeting Time:", meeting\_times[course\_number])

A screenshot of a computer program

Description automatically generated

**Result**

**A screenshot of a computer program

Description automatically generated**

**Git Repository**

<https://github.com/amalicious190810/Pulikkiyil_CSC500_Module7_CT>

A screenshot of a computer

Description automatically generated

A screenshot of a computer program

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