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#SE116.02

#W9D2 Makeup lab

#3-4-2025

#PROGRAM PROMPT: MENU SEARCH FROM STUDENT.txt

#imports

import csv

#lists

id = []

lastName = []

firstName = []

class1 =[]

class2 = []

class3 = []

#functions

def menu():

    print("\nSearch Menu")

    print("1. See all Student's reports")

    print("2. Search for a Student ID")

    print("3. Search for a student's last name")

    print("4. View class Roster")

    print("5. EXIT PROGRAM ")

def swap(index,listName):

    temp = listName[index]

    listName[index] = listName[index + 1]

    listName[index + 1 ] = temp

#within the file

with open("week9/students.csv") as csvfile:

    file = csv.reader(csvfile)

    for rec in file:

        id.append(rec[0])

        lastName.append(rec[1])

        firstName.append(rec[2])

        class1.append(rec[3])

        class2.append(rec[4])

        class3.append(rec[5])

# MAIN CODE BELOW

print("Welcome to the search program\nPlease select options [1-5]")

menu()

search = input("What would you like to search by? ")

if search not in ["1", "2", "3","4","5"]:

    print("\*\*\*INVALID ENTRY!\*\*\*\nPlease try again")

elif search == "1":

    search = input("Enter the class name you're looking for").lower()

    for i in range(len(class1)):

        for j in range(len(class1) - 1):

                if class1[j] > class1 [j + 1 ]:

                    #swap places! for every value

                    swap(j,id)

                    swap(j, lastName)

                    swap(j, firstName)

                    swap(j, class1)

                    swap(j, class2)

                    swap(j, class3)

    found\_class = []

    for i in range(len(class1,class2,class3)):

        if search.lower() in class1 or class2  or class3:

            found\_class.append

    if not found\_class:

        print(f"Your search for {search} was not found")

    else:

        print(f"{'ID':8} {'HI'}")

print("hello")