"""

B2

"""

"""

student\_dict = {}

res = "y"

while res == "y":

    option = int(

        input(

            "1. INSERT STUDENT\n2.SORT STUDENTS\n3.DELETE STUDENT\nENTER OPTION NUMBER : "

        )

    )

    if option == 1:

        RollNo = int(input("ENTER NUMBER : "))

        Name = input("ENTER NAME : ")

        Mail = input("ENTER NAME : ")

        Grades = eval(input("ENTER 5 SUBJECT MARKS IN LIST FORMAT : "))

        if RollNo not in student\_dict.keys():

            student\_dict[RollNo] = {"NAME": Name, "MAIL": Mail, "GRADES": Grades}

        else:

            print("ROLL NUMBER ALREADY EXISTS. ENTER A DIFFERENT ONE.")

    elif option == 2:

        for key in sorted(student\_dict.keys()):

            print(student\_dict[key])

    elif option == 3:

        RollNo = int(input("ENTER ROLL NUMBER : "))

        if RollNo in student\_dict.keys():

            student\_dict.pop(RollNo)

        else:

            print("INVALID ROLL NUMBER.")

    res = input("ENTER y TO CONTINUE : ")

"""

"""

C1

"""

"""

def TowerOfHanoi(n, source, destination, auxiliary):

    if n == 1:

        print("Move disk 1 from source", source, "to destination", destination)

        return

    TowerOfHanoi(n - 1, source, auxiliary, destination)

    print("Move disk", n, "from source", source, "to destination", destination)

    TowerOfHanoi(n - 1, auxiliary, destination, source)

n = 3

TowerOfHanoi(n, "A", "B", "C")

"""

"""

C2

"""

"""

import os

word\_dict = {}

if os.path.exists("myfile.txt"):

    with open("myfile.txt", "r") as f:

        lines = f.readlines()

        f.seek(0)

        for i in range(0, len(lines)):

            line = f.readline()

            words = line.split()

            for j in words:

                if j in word\_dict.keys():

                    word\_dict[j] += 1

                else:

                    word\_dict[j] = 1

    print(f"NUMBER OF LINES : {len(lines)}")

    for i in word\_dict.keys():

        print(f"{i} : {word\_dict[i]}")

"""