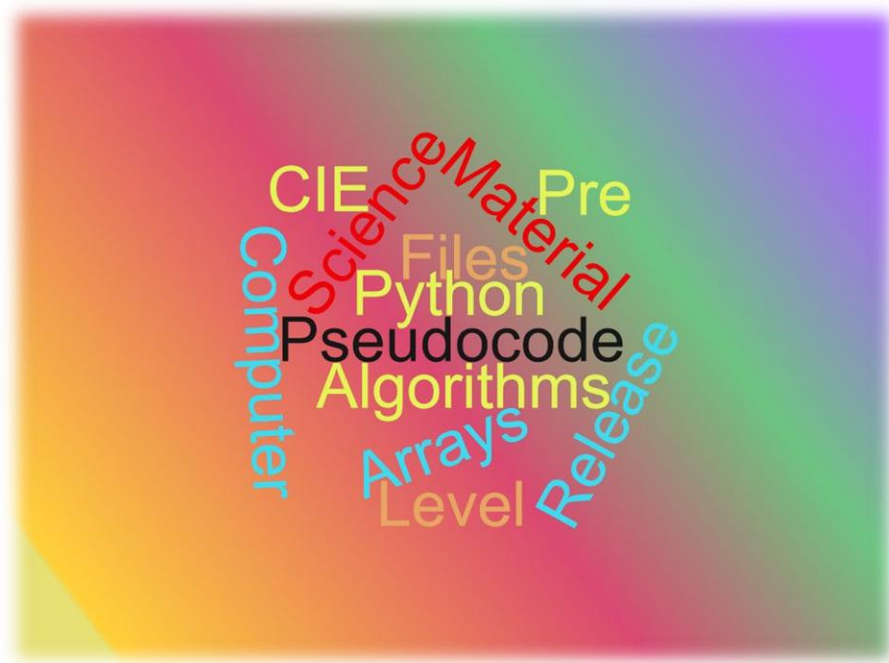


Grade 11

Pre-Release Material

"Computer Science 9608 - May / June 19"

Task 2.1 - Python - version 2



2018-2019

*Task2_1unknownnumberofstudents.py - D:\Google Drive vlassishk\IS Riga Vlassis\Grade 11\pre-release 19 (22)\Task2_1unknow
File Edit Format Run Options Window Help

```
#Pre Release Material - Task 2.1 - version 2
#I assume I don't know how many students there are in the class.
# A blank StudentID and blank Email signify the end of data input
#I don't do any validation for the data. Any StudentID is acceptable
#An example string with this format would be:
#"AB1234#Jim99@email.com"

#-----Task 2.1 -----
with open ('Students2.txt', 'w') as f:
    #Read name and email
    StudentID= str(input("Give Student Name "))
    StudentEMail=str(input("Give Student E-mail "))
    while StudentID!=" and StudentEMail!=":
        #Create combined string
        CellContent=str(StudentID+"#+StudentEMail+"\n")
        #The +"\n" is so that the next set of data is written on the next line

        LineData=CellContent

        #Store to file
        f.write(LineData)

        #Read next name and email - Two blanks signify the end of data input to file
        StudentID= str(input("Give Student Name "))
        StudentEMail=str(input("Give Student E-mail "))

#-----Task 2.1 -Completed-----

#This is not part of the Task
# I display the contents of the file.
print("\nDisplay line by line contents of file (striped from control characters")
with open ('Students2.txt', 'r') as f:
    LineData=f.readline()
    while len(LineData)>0:
        LineData=LineData.strip()
        print(LineData)
        LineData=f.readline()
```

I haven't included a variable declaration section. THE VARIABLES NEED TO BE DECLARED

TASK 2.1

Define a structure for a text file that could be used to store information about each student as a string. Each line of the file will contain a single string.

Store at least two pieces of information. For example, you could store each student's ID together with their email address as follows:

```
<StudentID>'# '<EmailAddress>
```

Define a fixed format for the Student ID, for example, two letters followed by four numbers.

An example string with this format would be:

```
"AB1234#Jim99@email.com"
```

Write program code to:

1. open a new text file
2. prompt and input a Student ID and email address (validate if required)
3. form the string as shown
4. write the string to the file
5. repeat from step 2 for all students in the class
6. close the file

Check the contents of the file using a text editor.