

ANKARA UNIVERSITY
COMPUTER ENGINEERING DEPARTMENT
Computer Programming I
Fall 2021-22

LAB6 Quiz
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The file USPopulation.txt contains the midyear population of the United States, in thousands, during the years 1950 through 1990. The first line in the file contains the population for 1950, the second line contains the population for 1951, and so forth.

Write a program that reads the file's contents into a list. The program should display the following data:

- The year with the greatest increase in population during the time period
- The year with the smallest increase in population during the time period

The program should handle the following exceptions by displaying an error message:

- FileNotFoundError exceptions that are raised when the specified filename cannot be found.
- IndexError exceptions that are raised when the line number is outside the range of the data list.

I/O Format:

Input format: Read text in the code

Output format: Greatest increase year
Smallest increase year

Submission:

- 1- Name your Python source file as <student_id>.py; replace <student_id> using your student idnumber.
- 2- Upload your python file using the interface provided in e-kampüs course page.

Compiling Process:

```
//normal compile process  
python3.8 <yourfilename>.py
```

```
//to use .txt file as input  
python3.8 <yourfilename>.py<input.txt
```

```
// to use .txt file as input      and to print the results to .txt file  
python3.8 <yourfilename>.py<input.txt>output.txt
```

```
// to compare two files  
diff filename1 filename2
```

Please, PAY ATTENTION TO THE I/O FORMAT!