

Lab Assignment 3**2021 – 2022 Spring, CMPE 211/CMPE114 Fundamentals of Programming II****Purpose:**

The purpose of this lab study is:

- To evaluate arrays' usage.
- To evaluate loops' usage.

Lab: This lab is to be done in second hour.

Suppose you have a String array of strArr which keeps information about the university names in Turkey. Assume that the strArr array has HACETTEPE and ANKARA at the beginning. You may assume the initial elements are sorted in the array.

Write a runnable class, named “UniversitySorter.java” that reads university names as input from keyboard/user, inserts that university into strArr in lexicographical descending order. The insertion must be done without any loss. Please make comparisons of the given university names using their Uppercase value. Then, the program prints out all the universities in the array.

The program will continuously run until the user enters “stop” word.

Example:

The sample output is given below:

```
Please enter a university name:
TeD
TED HACETTEPE ANKARA

Please enter a university name:
OdTU
TED ODTU HACETTEPE ANKARA

Please enter a university name:
AvRasYA
TED ODTU HACETTEPE AVRASYA ANKARA

Please enter a university name:
stop
```

Submission

The submission should include single *UniversitySorter.java* class.