



# COMP 160

## Object-oriented Programming

### Lab 2 Reading Text Files

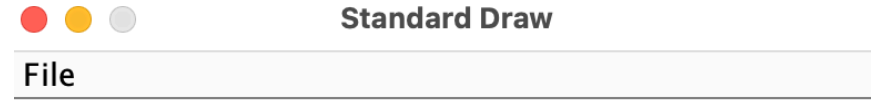
TA: Suzan Ece Ada

# Closest Cities

- Read a “.txt” file containing the name of each city and its (x,y) coordinates.

```
Istanbul 41.00 28.97  
Izmir 38.41 27.12  
Athens 37.98 23.72  
Rome 41.90 12.49
```

- Calculate the shortest and longest distances between any two cities and output the names of those two cities along with the distances.
- Visualize all the distances between the cities, including the minimum and maximum distances, by drawing a line.



# Bonus: Student Scores

- Read a “.txt” file containing the number of students, names of the students and their scores.

```
8
Ece,44.0
Suzan,62.0
Ada,30.0
Hanaa,92.0
Deniz,97.0
Yasin,78.0
Isil Su,90.0
Ilgaz,83.0
```

- Calculate the average score.
- Draw a bar chart using StdDraw

