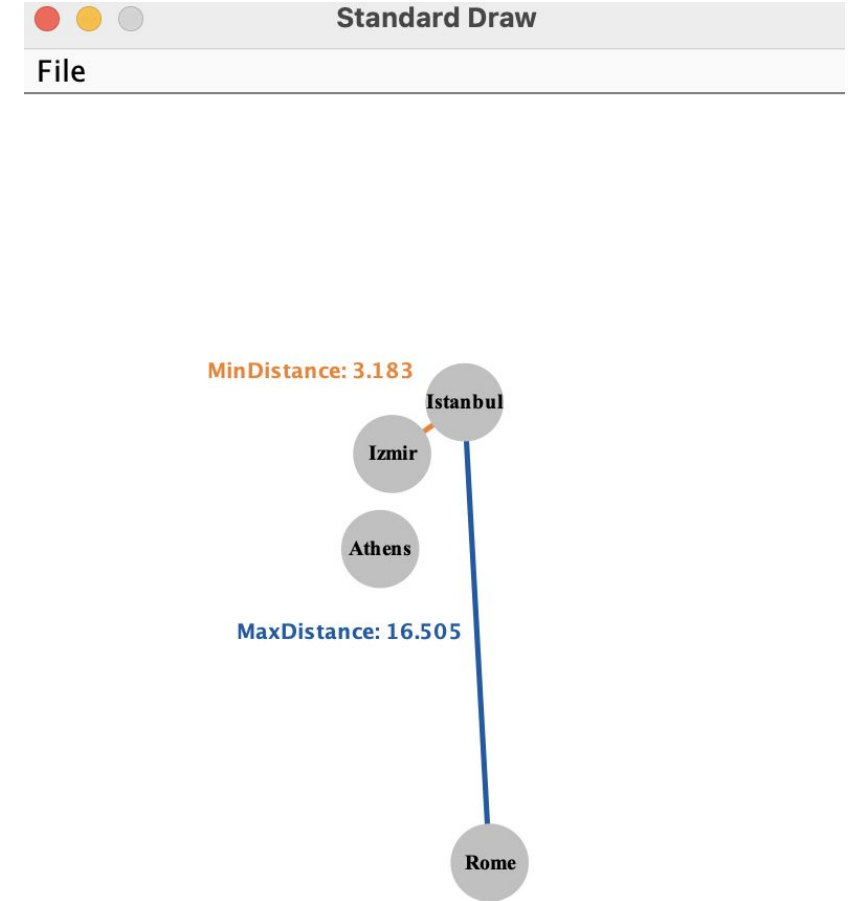# COMP 160
Object-oriented Programming

Lab 2

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 "students.txt" file containing the number of students, names of the students and their scores.

```
9
Ece,44.0
Suzan,62.0
Ada,30.0
Beyza,97.0
Nur,83.0
Cansu,92.0
Er,91.0
Mehmet,78.0
Bora,93.0
```

- Calculate the average score.

- Draw a bar chart using StdDraw