

CS5352.751/752, Distributed Computing, Summer II, 2020
Assignment 3

Issued: 07/28/2020

Due: 08/05/2020

Due: None

1. (60 pts) Modify/enhance the Java RMI program WeatherService discussed in class as follows:

- a. WeatherServiceServer will periodically update its weather information, say every one hour.
- b. There are four sections of the city weather forecast information on each page. Modify the program so that the server receives and saves all four section data. And the clients will pop four windows, one for each of the four section. in addition to city name and weather condition, your server now will record information of all columns as shown above and send them back to a client.

2. ($20 \times 2 = 40$ pts) Based on your understanding, in a solution to the Byzantine general problem:

- (1) Briefly explain in your own words why two good generals cannot overcome one bad general to reach an agreement among them?
- (2) Why multiple stages of communications are necessary?