**CS602 – Spring 2022**

Homework 6

**Due date: Sunday, April 10, 2022, 11:59pm**

# Instructions:

* For each day of late submission, 10 points will be deducted.
* After two days, no more submission is allowed.
* You must submit through Canvas.
* Keep this file intact, copy your solution codes from your IDE and paste at the bottom of the file under ‘Answer’. Submit this word document with your codes. Do not change the format of the file to pdf or .rar or anything else.

**Reminder:** [**Academic Integrity**](https://www.njit.edu/dos/code-student-conduct-article-11-university-policy-academic-integrity)policy is strictly implemented on all your submissions.

# Learning Objectives:

* Differentiate between connection oriented and connectionless programming in Java

Write a multicasting java program where a single message (a string like “Hello! Multicasting.”) is broadcast to a multicast group. Your program should receive it and print it. Also get the following:

1. Get the IP address of the multicast group and print it.
2. Get the port number and print it.
3. Get the length of the message sent and print it.

Remember that you are sending message to a multicast group. The receiver should be started first and be ready to receive message. Then run the sender.

Name your classes as: MulticastReceiver and MulticastSender.

# Answer:

<paste code here for MulticastReceiver.java>

<paste code here for MulticastSender.java>