**Position:** Software Developer

**Candidate:** Hamid Ghorbani

**Due Date:** Tuesday, August 6th by 12pm

**Assignment:**

1. Using Java 8, generate a million random numbers and output those numbers to a file.
2. Create a program that sorts the output of your random number generator and sends the results to another file.

This question is meant to allow us to gauge your level of skill and understanding of programming best practices. Clearly let us know what assumptions you are making and why. As a hint, think about the types of things you would expect a Software Developer or Architect to do in their answer, and go into the question with a level of depth and detail you’re comfortable with. Creating code that compiles and directly answers the questions asked is the minimum requirement.

**Post your assignment on your Github account, make it public, and then email the URL to** [Adrian.Oliver@alea.ca](mailto:Adrian.Oliver@alea.ca), [Justice.Gray@alea.ca](mailto:Justice.Gray@alea.ca), and [Lauren.Robinson@alea.ca](mailto:Lauren.Robinson@alea.ca)

**OR**

**Please submit your assignment in a Word Document to** [Adrian.Oliver@alea.ca](mailto:Adrian.Oliver@alea.ca), [Justice.Gray@alea.ca](mailto:Justice.Gray@alea.ca), and [Lauren.Robinson@alea.ca](mailto:Lauren.Robinson@alea.ca)