# Listing\_4\_16\_project: How to generate a random upper case letter

##Introduction

This document details the generation of a Java program that writes an uppercase letter to the console. This code is managed inside Github.com and uses the Math.random() method as well as a custom method call.

## Outline

``` java

// Generate a random uppercase letter (using a custom method to call)

// Print the random letter to the console.

```

## References and Literature

// Liang Java 10th edition. Pg 87, Listing 3.3

// int number1 = (int)(Math.random() \*10);

// Liang Java 10th edition. Pg 125, Listing 4.4

// We can map from integers to Capital letters

// Characters ‘A’ to ‘Z’ have a Value in Decimal 65 to 90.

// Liang Java 10th edition. Pg 122, 4.2.5 the random method.

// a + Math.random() \* b

// returns a random number between a and a+b, excluding a+b

// Liang Java 10th edition. Pg 209, 6.4, void Method Example.

// This shows how we can set up a method call.

1. Open Eclipse and start new project

a.may need to change to your workspace

2. Go to Github and start a new project.

3. Use command prompt to make the connections

a. navigate to the correct location

C:\Users\LAB>E:

E:\>dir

Volume in drive E is USB20FD

Volume Serial Number is 4792-F1AD

E:\ComputerScience Work>dir

Volume in drive E is USB20FD

Volume Serial Number is 4792-F1AD

E:\ComputerScience Work>cd Listing\_4\_16\_project

Continue working through instructions

C:\Users\LAB>E:

E:\>cd desktop

The system cannot find the path specified.

E:\>dir

Volume in drive E is USB20FD

Volume Serial Number is 4792-F1AD

Directory of E:\

06/21/2015 01:06 PM <DIR> eclipse

10/30/2015 09:44 AM <DIR> English Homework

10/30/2015 09:45 AM <DIR> ComputerScience Work

11/01/2015 12:20 PM <DIR> .metadata

0 File(s) 0 bytes

4 Dir(s) 63,754,829,824 bytes free

E:\>cd "ComputerScience Work"

E:\ComputerScience Work>dir

Volume in drive E is USB20FD

Volume Serial Number is 4792-F1AD

Directory of E:\ComputerScience Work

10/30/2015 09:45 AM <DIR> .

10/30/2015 09:45 AM <DIR> ..

10/22/2015 03:46 PM <DIR> Project Zero

10/22/2015 04:32 PM <DIR> ProjectOneProject

09/14/2015 09:51 AM 12,600 Homework2(Computer).docx

09/16/2015 05:20 PM 15,798 Homework3\_2.3(Computer).docx

09/16/2015 05:19 PM 16,138 Homework3\_2.9(Computer).docx

09/16/2015 05:18 PM 16,106 Homework3\_2.17(Computer).docx

10/27/2015 11:55 PM <DIR> FirstRepository

10/26/2015 09:12 AM <DIR> Fun\_With\_Functions\_Project

09/11/2015 01:09 PM <DIR> Homework1.6

09/09/2015 09:12 AM <DIR> DoStuff

10/07/2015 09:21 AM <DIR> AStepForward(10.7.15)

09/11/2015 12:53 PM <DIR> 1.6Homework

10/13/2015 01:04 AM <DIR> AdditionGam

10/30/2015 09:14 AM <DIR> Addition\_Game

11/02/2015 09:14 AM <DIR> .metadata

11/02/2015 09:15 AM <DIR> Listing\_4\_16\_project

4 File(s) 60,642 bytes

14 Dir(s) 63,754,829,824 bytes free

E:\ComputerScience Work>cd Listing\_4\_16\_project

\*E:\ComputerScience Work\Listing\_4\_16\_project>echo # Listing\_4\_16\_project >> READ

ME.md

\*E:\ComputerScience Work\Listing\_4\_16\_project>git init

Initialized empty Git repository in E:/ComputerScience Work/Listing\_4\_16\_project

/.git/

\*E:\ComputerScience Work\Listing\_4\_16\_project>git add .

\*E:\ComputerScience Work\Listing\_4\_16\_project>git config user.name "KrisionAyers"

\*E:\ComputerScience Work\Listing\_4\_16\_project>git config user.email "ayersk@stude

nt.swosu.edu"

\*E:\ComputerScience Work\Listing\_4\_16\_project>git commit -m "first commit"

[master (root-commit) 2dd80da] first commit

5 files changed, 32 insertions(+)

create mode 100644 .classpath

create mode 100644 .project

create mode 100644 README.md

create mode 100644 bin/Listing\_4\_16\_project.class

create mode 100644 src/Listing\_4\_16\_project.java

\*E:\ComputerScience Work\Listing\_4\_16\_project>git remote add origin https://githu

b.com/KrisionAyers/Listing\_4\_16\_project.git

\*E:\ComputerScience Work\Listing\_4\_16\_project>git push -u origin master

Username for 'https://github.com': KrisionAyers

Password for 'https://KrisionAyers@github.com':

Counting objects: 9, done.

Delta compression using up to 4 threads.

Compressing objects: 100% (8/8), done.

Writing objects: 100% (9/9), 1.28 KiB | 0 bytes/s, done.

Total 9 (delta 0), reused 0 (delta 0)

To https://github.com/KrisionAyers/Listing\_4\_16\_project.git

\* [new branch] master -> master

Branch master set up to track remote branch master from origin.

E:\ComputerScience Work\Listing\_4\_16\_project>