## Université d'Ottawa Faculté de génie

École de science informatique et de génie électrique



# University of Ottawa Faculty of Engineering

School of Electrical Engineering and Computer Science

L'Université canadienne Canada's university

Course: CEG3185 Semester: Summer 2017 **Professor**: Melike Erol-Kantarci

Room: STE 5029

Phone: (613)562-5800 x 6693 Email: melike.erolkantarci@uottawa.ca

#### Lab 3

Week of May 29, 2017 (Posted: May 29, 2017)

(This lab assignment was originally created by Kazi of University of Ottawa, Canada)

This lab is a short introduction to JAVA. There are students from different disciplines and many of them are not familiar with JAVA programming language which will be mostly used for the upcoming labs. Hence this short lab has been introduced.

The tasks are following.

#### **Sample Tasks:**

1) Create the following pattern and display on the screen.

```
1
22
333
4444
55555
666666
7777777
88888888
999999999
```

Sample Code:

```
for (int i = 1; i <= j; i++) {
    for (int k = 1; k <= i; k++) {</pre>
```

```
System.out.print(i);
}
System.out.println();
}
```

#### 2) Create the following pattern and display on the screen.

#### **Lab Tasks:**

- Create a file in "c:\\lab3.txt"
- Create the following patterns one by one.
- Append each pattern to the file "c:\\lab3.txt"
- Read the file "c:\\lab3.txt" and print it to the screen.

#### 1) Create the following pattern.

## 2) Create the following pattern.

111111111111111111111
22
33
44
55555555555555555
66
77
888
99999999999999999

## 3) Create the following pattern.

## 4) Create the following pattern.

Code Template is Given: Template.java