Alexandria University
Faculty of Engineering
Computer and Systems Engineering
Object Oriented Programming

My Calculator

	Name	ID
1	Hassan Ahmed Hassan Mahgoub	20010486

Frameworks:

- Angular: Front-End
- Spring boot: Back-End

Assumptions & How to run:

- This calculator is similar to windows calculator so it can do one operation/run to make more than one operation press = then type the new operation.
- This calculator can take input up to 18 digit length.
- To run this calculator you have to run both spring and angular.
- To run angular part open angular folder in a text editor (ex: Vs code) and run the command ''npm install'' and then run the command "ng serve", open "localhost:4200" in your browser, you should have installed nodeJs and Angular CLI.
- To run spring boot you should have installed java jdk on your pc, open spring folder in a text editor and run the project, it will automatically run in "localhost:8090", if you are already using 8090 you should terminate it before running project or change the port in application.yaml file in resources floder of the project.

```
1    server:
2      port: 8090
3
```

The following image represents the front-end view of calculator you will have.

			15×-2.6
			-39
%	CE	C	Del
1/x	x²	√x	÷
7	8	9	×
4	5	6	-
1	2	3	+
±	0	.	=

A source code and a video record are provided in the following link:

Calculator source code