

E0 250 Deep Learning: Project 1
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Tools

- Tensorflow 2.1.0
- Python3 3.6.9
- Keras 2.3.1

1. **Software 1.0 (Logic-based)**

Software1() function defined in main.py is generating output based on logic, and saving it as Software1.txt.

2. **Software 2.0 (Machine Learning)**

Software2() function defined in main.py is generating output based on ML, and saving it as Software2.txt.

Keras is using tensorflow as backend.

I have used Keras to run the program. The function is loading the saved model1, and running the input file provided.

Also, am attaching train.py which is training my model and will save it as model2, so as not to overwrite model1.

A sample output for an input file of 10 numbers, with numbers ranging from 1 to 10.

```
1
2
fizz
4
buzz
fizz
7
8
fizz
buzz
```