Assignment-1: FizzBuzz

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> ***Problem***

Here we implement FizzBuzz problem using neural network and if-else method.

> Implementation

Here we used Python 3.6.9 and Tensorflow 2.1.0 We implemented Neural Networks using Keras and used the following modules for implementation.

```
In [1]: from platform import python_version
        import tensorflow as tf
        from tensorflow import keras
        import numpy as np
        from tensorflow.keras.models import Sequential
        from tensorflow.keras.layers import Dense,Activation,Dropout
        from tensorflow.keras.optimizers import Adam
        from tensorflow.keras.callbacks import Callback,EarlyStopping
        import random
        print("Python Version :"+python_version())
        print("Tensorflow Version :"+tf.version.VERSION)

        Python Version :3.7.3
        Tensorflow Version :2.1.0
```

IF-ELSE METHOD

Here we used modulus function to check whether the integer is divisible by 3,5 or both.

```
In [2]: def fizzbuzz1(i):      #software 1
          a=i%3;
          b=i%5;
          if((a+b)==0):
            return("fizzbuzz")
          elif(a==0):
            return("fizz")
          elif(b==0):
            return("buzz")
          else:
            return(str(i))
```