



## Session 6

### Assignment 1 Question

# *Session 6: Assignment 1*

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## 1. Introduction

This assignment will help you to consolidate the concepts learnt in the session.

## 2. Problem Statement

Consider a DataFrame df where there is an integer column 'X':

```
df = pd.DataFrame({'X': [7, 2, 0, 3, 4, 2, 5, 0, 3, 4]})
```

For each value, count the difference back to the previous zero (or the start of the Series, whichever is closer).

These values should therefore be [1, 2, 0, 1, 2, 3, 4, 0, 1, 2]. Make this a new column 'Y'.

**Note: Solution submitted via github must contain all the detailed steps.**

## 3. Output

N/A