**Assignment 11.1**

**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'.**

**Answer:**

