Question 1: **Find the bug in the following python code (assume all necessary packages are imported properly and focus on the logic, not the syntax)**

**Original Code:**

from com.parasoft.api import \*

from [java.io](http://java.io/) import \*

def isAlphabitized(x, context):

    reader = BufferedReader(x.getReader())

    line = reader.readLine()

    while line != None:

        Application.showMessage(reader.readLine())

**Solution:-**

**Bug Free Code:**

from com.parasoft.api import \*

from [java.io](http://java.io/) import \*

def isAlphabitized(x, context):

    reader = BufferedReader(x.getReader())

    while (line = reader.readLine()) != None:

        Application.showMessage(line)