Weekly Exercise 4 - Feedback

• Marking criteria:
  • Submission
  • using for loop with range()
  • not using ord( ) or chr( )
Weekly Exercise 4 - Feedback

- Problems encountered:
  - Problem statement:
    - Write a Python program that converts any letter from A to Z or a to z to its ASCII numerical value (see the ASCII table in Lecture 7)
  - Requirements:
    - Your program **cannot make use** of the functions `ord()` or `chr()`
    - Your program **must be robust** (Slide 2 - sample input and output – shows what this means)
    - You **must use a for loop** which make use of the `range` function (Slide 2 shows the effect of using a loop)
Is this program solving the problem? Yes
Is it satisfying the requirements? No
Can you see why it isn’t satisfying the requirements?

# Asks user for a letter
a = input("Please, enter a letter: ")

# If user enters one letter, outputs its ASCII value
if a.isalpha( ) :
    print("ASCII value of " + a + " is", ord(a))

# If user enters a number, asks user to try again
elif a.isdigit( ) :
    print("This letter " + a + " is actually a number, so please try again")
else :
    print ("This letter " + a + " is a string, please try again")
Weekly Exercise 4 – Possible Solution

• There are a variety of ways (algorithms) to solve this problem

• Here is a possible solution:
  https://repl.it/repls/BossyPlumpSandbox