Kjc4 4 credits

NARRATIVE FOR HOMEWORK3

D2

a) I did this by applying the strip() method on s2 and then converting the entire string to uppercase by using the upper() method. I then put the output in a variable “caps” and printed it out

b) I did this by concatenating s2 and s1 and s2 and then printing out the output

c)I did this by applying the capitalize() method on s1 and s2 and then concatenating the output of that with space in between them and after s2. I then repeated this output 3 times. I put the output of that in a variable “repeat” and printed it out.

d) I just printed out s1

e) I did this by slicing the first two characters of s1 and indexing position three of s1. I then put them in a list called myList and printed it out

f) ) I did this by slicing the first two characters of s1 and indexing position three of s1. I then concatenated the both of them. I put the output in a variable “remove” and printed it out

D3

a) This program uses a for loop and prints out each character in the string “aardvark”

b) This program uses a for loop. The string is split into substrings and prints out each substring is printed out.

c) This program uses a for loop. The string is split based on the character “i” into substrings and each substring is printed out and attached to the end of the preceding substring.

d) This program uses a for loop. The string is split based on the character “e” into substrings. msg is used as an accumulator and each substring is concatenated to it and msg is printed out.

e) This program uses a for loop and an accumulator msg. The numeric code of each character in the string is found using the ord function , 1 is added to it and then the character equivalent is found using the chr function. The output of this is concatenated to msg and msg is printed out.

PE4

First I asked the user for input and then I put this in a variable “phrase”. I then split phrase using the split() method and stored it in a variable “word”. I created an accumulator “message”. I used the length of “word” as my range for my loop. Then I used the value of my counter(i) as an index for the character in “word” I needed. I stored that in word\_2. I got the zero index position of word\_2 and applied the split() method to this . I put the output of this into word\_3. I then got the zero index position of word\_3 and concatenated it to my accumulator, message. I then applied the upper() function to message and printed out message.

PE9

I asked the user for input and stored this in a variable “word”. I then applied the split() method on word and stored the output in word\_2. I used an accumulator “counter”. I also used a for loop and for each substring in word\_2 , counter was incremented by one. At the end , I printed out the value of counter.

PE10

This is similar to PE9 but here I added another accumulator “total\_word\_length”. I used the len() function to get the length of each substring in “word\_2” and add that value to total\_word\_length. Then the counter is incremented by 1. Average word length is calculated by dividing the total\_word\_length by counter and stored in the variable avg\_word\_length. At the end I printed out the values of total\_word\_length, counter and avg\_word\_length