Strings

1. Write two loops, one while loop and one for loop, that perform the same task as follows.

   Given some string s and initial variable result, update result to equal the characters at all odd indexes (i.e. 1,3,5,7,...) in the string s. Then print this variable result.

   Make sure that your code would not crash if run! (hint: make sure any indexing is always in the proper range!)

   Ex: "1234567890" → "24680"
   Ex: "HelloWorld" → "elWrd"
   Ex: "" → ""
   Ex: "15" → "5"

   s= "1234567890" # example value for s (s can be any string)
   result = ""

2. How could you perform the same task described above with string indexing? (Given a string s, write the single line (using string indexing) to make s equal to only the characters in the odd indexes.)
   Ex: "1234567890" → "24680"
   Ex: "HelloWorld" → "elWrd"
   Ex: "" → ""
   Ex: "15" → "5"

3. Write a function vowelCount(s), that takes a string s, and returns the number of vowels in s. The vowels are "a", "e", "i", "o", and "u" (and their uppercase equivalents). So, for example, ("Abc def!!! a? yzyzyz!") returns 3 (two a's and one e)