Strings

LATEST SUBMISSION GRADE

100%

1. **Which of the expressions below select the last character in the string "coconut"?**   1 / 1 point

    ☑ `"coconut"[-1]`

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    ✓ **Correct**
    This expression selects the last character.

    ☑ `"coconut"[6]`

    👍 💬 🏳

    ✓ **Correct**
    This expression selects the last character.

    ☐ `"coconut"[-6]`

    ☐ `"coconut"[7]`

2. **Which of the string slices below selects the string "Sir" from the string "Sir Robin"?**   1 / 1 point

    ☐ `"Sir Robin"[1 : 3]`

    ☐ `"Sir Robin"[1 : 4]`

    ☑ `"Sir Robin"[: 3]`

    ✓ **Correct**
    This expression returns the string `"Sir"` .

    ☑ `"Sir Robin"[0 : 3]`

    ✓ **Correct**
    This expression returns the string `"Sir"` .

3. **Which one of the operators below can not be used with strings in Python?**   1 / 1 point

    ○ `in` (membership)

    ◉ `-` (subtraction)

    ○ `+` (addition)

    ○ `*` (multiplication)

    ✓ **Correct**
    String subtraction in not defined in Python.

4. **What does the expression `a_str.find(sub)` do when the string `sub` is not a substring of the string `a_str`?**   1 / 1 point

    ○ Return the value `None`.

    ◉ Return the value `-1`.

    ○ Raise an error.

    ○ Return the value 0.

    ✓ **Correct**

5. **Which of the string format expressions below return the string "abracadabra"?**   1 / 1 point

    ☐ `"{1}{1}{1}".format("abra", "cad", "abra")`

    ☑ `"{0}{1}{0}".format("abra", "cad")`

    ✓ **Correct**
    This example returns `"abracadabra"`.

    ☐ `"{0}{1}{2}".format("abra", "cad")`

    ☑ `"{2}{1}{0}".format("abra", "cad", "abra")`

    ✓ **Correct**
    This example returns `"abracadabra"`.

6. **Write a function `count_vowels(word)` that takes the string `word` as input and returns the number of occurrences of lowercase vowels (i.e. the lowercase letters "aeiou") in `word`. Hint: Python has a built-in string method that can count the number of occurrences of a letter in a string.**   1 / 1 point

    After you have implemented `count_vowels`, run the following two statements:

    ```
    1  print(count_vowels("aaasssseefffgggiiijjjoo0kkkuuuu"))
    2  print(count_vowels("aovvouOucvicIIOveeOIclOeuvvauouuvciOIsle"))|
    ```

    The first statement should print 13 in the console. Enter the second number printed in the console in the box below.

    17

    ✓ **Correct**

7. **Write a function `demystify(l1_string)` that takes a string composed of the characters "l" and "1" and returns the string formed by replacing each instance of "l" by "a" and each instance of "1" by "b".**   1 / 1 point

    Once you have implemented `demystify`, test your function with calls below.

    ```
    1  print(demystify("lll1111l1l1l1111l1l"))
    2  print(demystify("1111l1l1ll1ll1l1ll11llll111111l11l1l1111l111"))|
    ```

    The first call should print the string "aaabbbabababbbbbaaa" in the console. Enter the second string printed in the console in the text box below. Do not include enclosing quotes.

    bbbabababbabbaaabaaabaaabbbbbaabbbabaababb

    ✓ **Correct**