

Name: _____ Net ID: _____ (ex: abc123)

CSCI-UA.0002 – Strings

1. What is the output of the following code if `s = 'omg wat!'`?

```
1. print(s[-1])           _____
2. print(s[:3])          _____
3. print(s[1] + s[5:])   _____
4. print(s[1:3] + s[8])  _____
5. print(s[-4:-1])      _____
6. s[0] = ''
   print(s)              _____
```

2. Write a function called `limit_length`. It takes a string and a max length as arguments and it returns:

- the original string if the original string's length is less than or equal to the max length passed in
- the original string truncated so that that the part of it that goes over the max length is replaced by elipses (...) if the original string's length exceeds the `max_length`

For example: `limit_length('hello world', 5)` would return `'hello...'`

3. Write a function called `is_numbers_only` (without using the string methods `isnumeric`, `isdigit`, `isalpha`, `isalnum`, etc.). It should take a single argument, a string. It should return a boolean value indicating whether or not all of the characters in the string given are numbers (0 through 9). For example:

```
is_numbers_only('hello') # False
is_numbers_only('lhello') # False
is_numbers_only('12') # True
is_numbers_only('lh2') # False
```