

Congratulations! You passed!

Grade received 100% To pass 80% or higher

Go to next item

1. The check_web_address function checks if the text passed qualifies as a top-level web address, meaning that it contains alphanumeric characters (which includes letters, numbers, and underscores), as well as periods, dashes, and a plus sign, followed by a period and a character-only top-level domain such as ".com", ".info", ".edu", etc. Fill in the regular expression to do that, using escape characters, wildcards, repetition qualifiers, beginning and end-of-line characters, and character classes.

1/1 point

```
import re
         def check_web_address(text):
           pattern = r"^([a-zA-Z0-9]+([\-\+\._]?[a-zA-Z0-9]+)*) \\ \cdot ([a-zA-Z]\{2,\}) \\ \$"
           result = re.search(pattern, text)
           return result != None
        print(check_web_address("gmail.com")) # True
        print(check_web_address("www@google")) # False
        print(check_web_address("www.Coursera.org")) # True
        print(check_web_address("web-address.com/homepage")) # False
    10
                                                                                                                               Run
    11
        print(check_web_address("My_Favorite-Blog.US")) # True
 True
False
 True
 False
 True
Right on! No bogus web address will get past you!
```

2. The check_time function checks for the time format of a 12-hour clock, as follows: the hour is between 1 and 12, with no leading zero, followed by a colon, then minutes between 00 and 59, then an optional space, and then AM or PM, in upper or lower case. Fill in the regular expression to do that. How many of the concepts that you just learned can you use here?

1/1 point

```
import re
def check_time(text):
    pattern = r"^(1[0-2]|0?[1-9]):([0-5][0-9])(\s?(AM|am|PM|pm))?$"
    result = re.search(pattern, text)
    return result != None

print(check_time("12:45pm")) # True
print(check_time("9:59 AM")) # True
print(check_time("6:60am")) # False

print(check_time("five o'clock")) # False

True
True
False
False
False
Reset
```

✓ Correct
You nailed it! It's "time" to celebrate!

3. The contains_acronym function checks the text for the presence of 2 or more characters or digits surrounded by parentheses, with at least the first character in uppercase (if it's a letter), returning True if the condition is met, or False otherwise. For example, "Instant messaging (IM) is a set of communication technologies used for text-based communication" should return True since (IM) satisfies the match conditions." Fill in the regular expression in this function:

1 / 1 point

```
import re
def contains_acronym(text):

pattern = r"\([A-Z0-9]?[A-Za-z]{2,}\)"
result = re.search(pattern, text)
return result != None
```

