

Q8 (through Visualization 1)

⚠ This is a preview of the published version of the quiz

Started: Dec 14 at 9:50am

Quiz Instructions



Question 1

0.1 pts

Fill in the blank, using the technical term learned in class.

The `*?` pattern is the _____ equivalent of the `*` regex pattern.

- ☐ non-hungry
- ☐ non-questionable
- ☐ greedy
- ☐ hungry
- ☐ non-greedy
- ☐ questionable



Question 2

0.1 pts

The regular expression `r"\d."` matches which string in its entirety?

- ☐ A1
- ☐ 11A
- ☐ 1.2

☐ 12.☐ 12**Question 3****0.1 pts**

Consider the following code snippet, where the regex and string are unknown. What regex will generally produce the most matches? Note that for some strings, multiple answers might produce the same number of matches. Answer for cases where the string does not lead to a tie between regexes.

```
matches = re.findall(some_regex, some_string)
print(len(matches)) # number of matches
```

☐ r"\d+?"☐ r"\d{2}"☐ r"\d+"☐ r"\d{3}"**Question 4****0.2 pts**

The following is an excerpt from a flask application. When somebody visits the home.html page in a browser (like Chrome), which functions will be called?

```
@app.route("/home.html")
def f():
    return ''

@app.route("/a.svg")
def g():
    # code hidden

@app.route("/b.svg")
def h():
    # code hidden
```

- ☐ g and h
- ☐ f only
- ☐ f, g, and h
- ☐ f and g
- ☐ f and h

**Question 5****0.2 pts**

Is the center of the text created by the following code within the region bounded by the ax subplot?

```
ax.text(-1, 0.5, "hi", transform=ax.transAxes, size=20, color="red", verticalalignment="center", horizontalalignment="center")
```

- ☐ definitely not
- ☐ definitely
- ☐ it depends on the xlim of the ax region

**Question 6****0.1 pts**

Assume the following code runs successfully on some unknown string. What letter(s) could possibly be printed?

```
matches = re.findall(r"(A)B([CD])", some_string)  
print(matches[-1][0])
```

- ☐ C
- ☐ either A or D

- ☐ A
- ☐ either C or D
- ☐ either A, B, C, or D
- ☐ either A, C, or D
- ☐ either A or C
- ☐ B

**Question 7****0.1 pts**

Assuming s contains at least one letter "A", then s2 will also contain at least one letter "A".

```
s2 = re.sub(r"(A)", r""'\g<1>'", s)
```

- ☐ True
- ☐ False

**Question 8****0.1 pts**

If shapely shapes X and Y overlap, which expression produces the shape that covers the most area? Assume X is larger than Y.

- ☐ Y.difference(X)
- ☐ X.union(Y)
- ☐ X.difference(Y)
- ☐ X.intersection(Y)

Not saved

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