

Regular Expressions - Multiple Choice

This multiple-choice quiz is designed to embed the regex knowledge. Submit a PDF or jupyter notebook PDF with your answers to each of the questions. Show at least one snippet of python code that proves your answer correct. Choose any answer Q1-Q2. Use the Python RE library. Upload your PDF to canvas.

Q1. What is the special character that matches zero or more characters

- A) ^
- B) #
- C) *

Q2. Which of the following matches any space, tab, or newline?

- A) \s
- B) \b
- C) \$

Q3. How do you match the string Foobar appearing at the beginning of a line?

- A) \$Foobar
- B) ^Foobar
- C) #Foobar

Q4. How do you match the word Foobar appearing at the beginning of a line?

- A) ^Foobar\d
- B) ^Foobar\b
- C) ^Foobar\w

Q5. What does the regular expression [a-z] match?

- A) The characters a and z only
- B) All characters between the ranges a to z and A to Z
- C) All characters between the range a to z

Q6. Which of these will match the strings revolution, revolutionary, and revolutionaries?

- A) revolution[a-z]?
- B) revolution[a-z]*
- C) revolution[a-z]+

Q7. Which of these will match the strings revolution, Revolution, and their plural variants only?

- A) `[rR]evolution[s]+`
- B) `revolution[s]?`
- C) `[rR]evolution[s]?`

Q8. What regular expression matches the strings dog or cat?

- A) `dog|cat`
- B) `dog,cat`
- C) `dog | cat`

Q9. What regular expression matches the whole words dog or cat?

- A) `\bdog|cat\b`
- B) `\bdog\b | \bcat\b`
- C) `\bdog\b|\bcat\b`

Q10. What do we put after a character to match strings where that character appears 2 to 4 times in sequence?

- A) `{2,4}`
- B) `{2-4}`
- C) `[2,4]`

Q11. The regular expression `\d{4}` will match what?

- A) Any four character sequence?
- B) Any four digit sequence?
- C) The letter d four times?

Q12. If brackets are used to define a group, what would match the regular expression `(,\s[0-9]{1,4}){4},\s[0-9]{1,3}\.[0-9]?`

- A) `, 135, 1155, 915, 513, 18.8`
- B) `, 135, 11557, 915, 513, 18.8`
- C) `, 135, 1155, 915, 513, 188`