**Regular Expressions, Theoretical Test**

**1. Which of the following regex patterns will match the whole word "apple" in a string? 🍏**

A: r'apple'

B: r'\bapple\b'

C: r'\bapple'

D: r'apple\b'

**2. What is the output of the following code? 📤**

Картина, която съдържа текст, Шрифт, екранна снимка

Описанието е генерирано автоматично

A: ['apple', 'apple']

B: ['apple pie']

C: ['an apple']

D: ['apple', 'pie']

**3. Which pattern will match words that start with "c" in the sentence "cats and dogs are cool"? 🐱🐶**

A: r'\bc.\*'

B: r'c.\*'

C: r'\bc\w\*'

D: r'\b\w\*c'

**4. What is the output of the following code? 🤔**

Картина, която съдържа текст, Шрифт, екранна снимка

Описанието е генерирано автоматично

A: ['cat', 'mat']

B: ['at', 'cat']

C: ['at']

D: []

**5. Which regex pattern would match any whole word that ends with "ing" in a text? 🔍**

A: r'ing\b'

B: r'\bing\b'

C: r'\bing\w\*'

D: r'\b\w\*ing\b'

**6. How would you use regex to check if the word "sun" appears as a whole word in a sentence? 🌞**

Картина, която съдържа Шрифт, текст, екранна снимка, Графика

Описанието е генерирано автоматично

A: re.search(r'sun', sentence)

B: re.search(r'\bsun\b', sentence)

C: re.search(r'\bsun', sentence)

D: re.search(r'sun\b', sentence)

**7. What would re.findall(r'\b\w{3}\b', "The cat and dog ran") return? 🐾**

A: ['cat', 'and', 'dog', 'ran']

B: ['cat', 'dog', 'ran']

C: ['The', 'cat', 'and', 'dog']

D: []

**8. Which regex pattern will find words that contain exactly 4 letters in a sentence? 📝**

A: r'\b\w{4}\b'

B: r'\b\w{4}'

C: r'\b\w{3,4}\b'

D: r'\b\w{3}\b'

**9. Which pattern would match whole words in a sentence that start with "t"? ✨**

A: r'\b\w\*t'

B: r't\w\*'

C: r'\bt\w\*'

D: r'\b.\*t\b'

**10. What would be the result of re.findall(r'\b[a-zA-Z]{3}\b', "cat bat mat")? 🔍**

A: ['cat']

B: ['cat', 'bat']

C: ['cat', 'bat', 'mat']

D: []

**11. BONUS QUESTION 🎉 -> What will be the output of the following code?**

Картина, която съдържа текст, Шрифт, екранна снимка

Описанието е генерирано автоматично

A: ['Running', 'jumping']

B: ['Running', 'jumping', 'playing']

C: ['running', 'jumping', 'playing']

D: []

**12. BONUS QUESTION 🎁 -> What would the following regex match in "The sun rises in the morning."?**



A: Words with exactly 3 characters

B: Words with 3 or more characters

C: Words with 3 or fewer characters

D: Words with 4 or more characters