

3 Lecture - CS402

Important Mcqs

1. **What is a regular expression?**

- a) A sequence of numbers
- b) A sequence of characters that defines a search pattern
- c) A mathematical function
- d) None of the above

Answer: b

Which programming language uses regular expressions extensively?

- a) Java
- b) C++
- c) Python
- d) All of the above

Answer: d

What is the basic syntax of a regular expression?

- a) ()
- b) { }
- c) []
- d) / /

Answer: d

Which of the following characters is used to match any single character?

- a) *
- b) .
- c) +
- d) ?

Answer: b

What is the purpose of the pipe symbol (|) in a regular expression?

- a) To match the beginning of a line
- b) To match the end of a line
- c) To match either one pattern or another
- d) To match any character

Answer: c

Which quantifier is used to match zero or one occurrence of the preceding character?

- a) *
- b) +
- c) ?
- d) {

Answer: c

Which of the following regular expressions matches any digit?

- a) \w

- b) \d
- c) \s
- d) \W

Answer: b

Which character class matches any whitespace character?

- a) \w
- b) \d
- c) \s
- d) \W

Answer: c

Which of the following regular expressions matches the end of a line?

- a) \$
- b) ^
- c) |
- d) .

Answer: a

What is the purpose of the lookahead assertion in a regular expression?

- a) To match a pattern only if it is followed by another pattern
- b) To match a pattern only if it is not followed by another pattern
- c) To match a pattern at the beginning of a line
- d) None of the above

Answer: a