# 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