# 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) / /

## <mark>Answer: d</mark>

# 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 <mark>Answer: b</mark>

# 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