1. What are escape characters, and how do you use them?

An **escape character** is a backslash (\) followed by a special character.

text = "Hello\nWorld" print(text)

text = "Name:\tJohn" print(text)

1. What do the escape characters n and t stand for?

N for next line and t for tab

1. What is the way to include backslash characters in a string?

path = "C:\\Users\\Documents" print(path)

4. The string &quot;Howl&#39;s Moving Castle&quot; is a correct value. Why isn&#39;t the single quote character in the

word Howl&#39;s not escaped a problem?

The string "Howl&#39;s Moving Castle" is a **correct value** in the context of HTML (or XML), where **&#39;** is used to represent the single quote character ('). The reason why this isn’t a problem is due to how **HTML character entities** work.

1. How do you write a string of newlines if you don&#39;t want to use the n character?

Using join method

6. What are the values of the given expressions?

&#39;Hello, world!&#39;[1]

&#39;Hello, world!&#39;[0:5]

&#39;Hello, world!&#39;[:5]

&#39;Hello, world!&#39;[3:]

Ans 'Hello, world!'[1] → 'e'

'Hello, world!'[0:5] → 'Hello'

'Hello, world!'[:5] → 'Hello'

'Hello, world!'[3:] → 'lo, world!'

7. What are the values of the following expressions?

&#39;Hello&#39;.upper()

&#39;Hello&#39;.upper().isupper()

&#39;Hello&#39;.upper().lower()

Ans 'Hello'.upper() → 'HELLO'

'Hello'.upper().isupper() → True

'Hello'.upper().lower() → 'hello'

8. What are the values of the following expressions?

&#39;Remember, remember, the fifth of July.&#39;.split()

&#39;-&#39;.join(&#39;There can only one.&#39;.split())

Ans 'Remember, remember, the fifth of July.'.split() → ['Remember,', 'remember,', 'the', 'fifth', 'of', 'July.']

'-'.join('There can only one.'.split()) → 'There-can-only-one.'

9. What are the methods for right-justifying, left-justifying, and centering a string?

Ans text = "Hello"

result = text.rjust(10, '\*')

print(result)

text = "Hello"

result = text.ljust(10, '\*')

print(result)

10. What is the best way to remove whitespace characters from the start or end?

text = " Hello, world! "

result = text.strip()

print(result)