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

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

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

4. The string "Howl's Moving Castle" is a correct value. Why isn't the single quote character in the word Howl's not escaped a problem?

5. How do you write a string of newlines if you don't want to use the n character?

6. What are the values of the given expressions?

'Hello, world!'[1]

'Hello, world!'[0:5]

'Hello, world!'[:5]

'Hello, world!'[3:]

7. What are the values of the following expressions?

'Hello'.upper()

'Hello'.upper().isupper()

'Hello'.upper().lower()

8. What are the values of the following expressions?

'Remember, remember, the fifth of July.'.split()

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

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

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

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

Ans - Escape characters are the special character that are used to represent certain character or sequence of characters in a string or programming language.

Some examples are

Newline (\n): Inserts a line break or starts a new line.

Tab (\t): Inserts a horizontal tab or creates an indentation.

Backslash (\): Represents a literal backslash character.

Single quote ('): Represents a single quote within a string.

Double quote ("): Represents a double quote within a string.

Carriage return (\r): Moves the cursor to the beginning of the line.

Backspace (\b): Moves the cursor back one character.

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

Ans – escape character n stands for – Newline

escape character t stands for - Tab

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

Ans – To include a backlash character () in a string , you can use the backlash() itself as an escape character.

**4. The string "Howl's Moving Castle" is a correct value. Why isn't the single quote character in the word Howl's not escaped a problem?**

Ans - When string is enclosed in double quotes ("") like "Howl's Moving Castle", the single quote character (') within the string is considered as a regular character and does not need to be escaped. Similarly, if a string enclosed in single quotes (''), double quotes (") within the string do not need to be escaped.

This flexibility allows to use either single quotes or double quotes to define strings and include the opposite type of quote within the string without the need for escaping.

**5. How do you write a string of newlines if you don't want to use the n character?**

Ans – use triple quotes (“ “ “ )

**6. What are the values of the given expressions?**

**'Hello, world!'[1]**

**'Hello, world!'[0:5]**

**'Hello, world!'[:5]**

**'Hello, world!'[3:]**

Ans - Hello, world!'[1] gives output 'e'.

'Hello, world!'[0:5] gives output 'Hello'.

'Hello, world!'[:5] gives output 'Hello'.

'Hello, world!'[3:] gives output 'lo, world!'.

**7. What are the values of the following expressions?**

**'Hello'.upper()**

**'Hello'.upper().isupper()**

**'Hello'.upper().lower()**

Ans - Hello'.upper() will give 'HELLO'.

'Hello'.upper().isupper() will give True.

'Hello'.upper().lower() will give 'hello'.

8. What are the values of the following expressions?

'Remember, remember, the fifth of July.'.split()

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

Ans – [‘Remember’,’remember’,’the’,’fifth’,’of’,’July’]

‘There-can-only-one’

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

Ans – for right justifying use text.rjust()

For left justifying use text.ljust()

For center justifying use text.center()

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

Ans - ‘ strip() ‘

‘lstrip () ‘

‘split() ‘