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

Answer 1: Escape characters are special characters used in strings to represent non-printable or reserved characters. They are prefixed with a backslash () to signal that they have a special meaning.

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

Answer 2: The escape character '\n' stands for a newline, and '\t' stands for a tab.

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

Answer 3: To include a backslash character in a string, you use a double backslash ('\'). For example, if you want to represent the string "C:\Users", you would write it as "C:\Users".

**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?**

Answer 4: The single quote character in the word "Howl's" is not escaped because the entire string is enclosed in double quotes. When using double quotes to define a string, single quotes within the string do not need to be escaped.

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

Answer 5: Code below-

multi\_line\_string = '''

This is a multiline

string with newlines

without using '\\n'.

'''

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

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

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

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

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

Answer 6: The values of the given expressions are in sequence: 'e' , 'Hello' , 'Hello' , 'lo, world!'

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

**'Hello'.upper()**

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

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

Answer 7: The values of the following expressions are in sequence: 'HELLO' , True , 'hello'

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

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

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

Answer 8: The values of the following expressions are: ['Remember,', 'remember,', 'the', 'fifth', 'of', 'July.'] and 'There-can-only-be-one.'

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

Answer 9: The methods are:

Right-justifying: str.rjust(width, fillchar)

Left-justifying: str.ljust(width, fillchar)

Centering: str.center(width, fillchar)

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

Answer 10: Here is the required code for above query:

whitespace\_string = ' This is a string with whitespace. '

trimmed\_string = whitespace\_string.strip()