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

ANS : In Python strings, the backslash "\" is a special character, also called the "escape" character. It is used in representing certain whitespace characters: "\t" is a tab, "\n" is a newline, and "\r" is a carriage return.

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

ANS: n stands for new line and t stands for tab.

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

ANS : put “\\” in the string. Then on executing single backslash will be printed.

1. 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 : The single quote in Howl's is fine because you've used double quotes to mark the beginning and end of the string.

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

ANS : use multiline string by using 3 double quotes or 3 single quotes.

6. What are the values of the given expressions?

'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?

'Hello'.upper() - HELLO

'Hello'.upper().isupper() - True

'Hello'.upper().lower() – hello

8. What are the values of the following expressions?

'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 : The rjust(), ljust(), and center() string methods

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

ANS : The lstrip() and rstrip() methods remove whitespace from the left and right ends of a string, respectively.