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

ANS- An escape character is a backslash \ followed by the character I want to insert. It is used in representing certain whitespace characters: "\t" is a tab, "\n" is a newline, and "\r" is a carriage return.

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

ANS- : "\t" is a tab, "\n" is a newline.

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

ANS-Use the syntax "\\" within the string literal to represent a single backslash.

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- because used double quotes to mark the beginning and end of the string.

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

ANS- Multiline strings allow to use newlines in strings in python.

6. What are the values of the given expressions?

'Hello, world!'[1]

ANS- ‘e’

'Hello, world!'[0:5]

ANS- ‘Hello’

'Hello, world!'[:5]

ANS- ‘Hello’

'Hello, world!'[3:]

ANS- ‘lo world!’

7. What are the values of the following expressions?

'Hello'.upper()

ANS- ‘HELLO’

'Hello'.upper().isupper()

ANS- ‘TRUE’

'Hello'.upper().lower()

ANS- ‘hello’

8. What are the values of the following expressions?

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

ANS- 'Remember,', 'remember,', 'the', 'fifth', 'of', 'July.'

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

ANS- 'There-can-only-one’.

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

ANS- using  rjust(), ljust(), and center() string methods.

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

ANS- lstrip() and rstrip() methods to remove whitespace from the left and right ends of a string.