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

ans-Escape characters represent characters in string values that would otherwise be difficult or impossible to type into code.

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

ans-\n is a newline; \t is a tab

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

ans-The \\ escape character will represent a backslash 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-The single quote in Howl's is fine because you've 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 you to use newlines in strings without the \n escape character.

6. What are the values of the given expressions?

'Hello, world!'[1]

'Hello, world!'[0:5]

'Hello, world!'[:5]

'Hello, world!'[3:]

ans- 'e'  
  
'Hello'  
  
'Hello'  
  
'lo world!

7. What are the values of the following expressions?

'Hello'.upper()

'Hello'.upper().isupper()

'Hello'.upper().lower()

ans-'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())

ans- ['Remember,', 'remember,', 'the', 'fifth', 'of', 'November.']  
  
'There-can-be-only-one.'

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

Ans- The rjust(), ljust(), and center() string methods, respectively

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.