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

Ans: Escape characters are characters that normally can't be put in a string.   
 By writing a backslash \ before them we can use them in code.

Example:  
 sen = 'He is John\'s brother.'

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

Ans: Escape character n (\n) stands for a newline and t(\t) stand for a tab.

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

Ans: We can use escape backslash ie; \\ 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?

Ans: Because the string is defined using double quotes.

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

Ans: We can use triple quotes for multiline strings.

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] : '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'.upper().isupper()

'Hello'.upper().lower()

Ans: '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()

'-'.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: rjust(), ljust(), center() respectively.  
   
Example:  
'apple'.rjust(10) : returns ' apple' ie; adds 5 spaces to right.  
  
'apple'.ljust(10) : returns 'apple ' ie; adds 5 spaces to left.

'apple'.center(9) : returns ' apple ' ie; adds 2 spaces to left and right respectively.

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

Ans: lstrip removes whitespace characters from the start.  
 rstrip removes whitespace characters from the end.  
 strip removes whitespace from both the start and end.