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

Ans: Escape characters refers to characters that comes after ‘\’. It is used when a character to be ignored and do something else from usual processing of strings.

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

Ans: ‘\n’ refers to newline addition and ‘\t’ refers to print tab space.

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

Ans: since already single ‘\’ refers to escape character, to print or include ‘\’ character is to use print (‘\\’) that prints single 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: Because single quotes inside double quotes are allowed. Single quote will not be removed even after using ‘\’ escape character.

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

Ans: ‘\r’ can be used which is carriage return that returns new line without adding new blank link.

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: False

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.’] #default separator for split is space.

‘There-can-only-one.’

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

Ans: rjust, ljust and center are the methods for right-justifying, left-justifying, and centering a string respectively.s=’Hello’, s.rjust(20,’$’), s.ljust(10,’#’), s.center(15,’%’).

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

Ans: use s.strip() where s is a string. Strip() method returns the string after removing leading(start) and trailing(end) whitespaces.