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

Ans- An escape charecter is a sequence of characters that doesn't represent itself when used inside string literal or character. It is composed of two or more characters starting with backslash \.

eg.- “\n Hello\t World \n”

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

Ans- \n- newline & \t- tab

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

Ans- Add an extra ‘\’ before the backslash characters.

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- Cause we have used double quotes to start the string so the single quote doesn’t create a problem.

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

Ans- use triple quotes (‘’’ ‘’’ ) . With this you can create multi line strings without using \n.

6. What are the values of the given expressions?

'Hello, world!'[1]

'Hello, world!'[0:5]

'Hello, world!'[:5]

'Hello, world!'[3:]

Ans-

1. e
2. Hello
3. Hello
4. o, world!

7. What are the values of the following expressions?

'Hello'.upper()

'Hello'.upper().isupper()

'Hello'.upper().lower()

Ans-

1. HELLO
2. True
3. hello

8. What are the values of the following expressions?

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

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

Ans-

1. [‘Remember’, ‘remember’, ‘the’, ‘fifth’, ‘of’, ‘July’]
2. There-can-only-one.

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

Ans- ljust() - fer left-justifying

rjust() - for right-justifying

centre() - for centering

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

Ans- lstrip() & rstrip()