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

* Escape characters are used to explicitly tell that few characters are part of the data.

Ex: print(“ hai \”world\””) -> it prints hai “world”

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

* \n -> for new line, \t -> for tab space.

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

* Var = “my folder is [\\home\\data\\file.txt](smb://home//data//file.txt)” -> adding one \ before actual \

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?

* Because the string data is enclosed within double quotes.

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

* Using three double quotes or three single quote syntax.

var = """abd,

def,

ghi"""

6. What are the values of the given expressions?

* 'Hello, world!'[1] -> ‘e’
* 'Hello, world!'[0:5] -> ‘Hello’
* 'Hello, world!'[:5] -> ‘Hello’
* 'Hello, world!'[3:] -> ‘o, world!'

7. What are the values of the following expressions?

* '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() ->

['Remember,', 'remember,', 'the', 'fifth', 'of', 'July.']

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

‘There-can-only-one.'

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

* Right-justifying -> rjust(len, fillchar)
* left-justifying -> ljust(len, fillchar)
* centering -> center(len, fillchar)

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

* Using .strip() method.