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

Solution: To insert characters that are illegal in a string, use an escape character. An escape character is a backslash \ followed by the character you want to insert.

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

Solution: The escape character n or \n means newline, and t or \t stands for tab.

3. What is the way to include backslash characters in a string?  
Solution: To allow this, we use double-backslash to include backslash characters in a string. E,g., to include ‘\n’ in a string, we can write it as ‘\\n’.

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?

Solution: It’s not a problem because we have enclosed the whole string in double quotes.

5. How do you write a string of newlines if you don&#39;t want to use the n character?

Solution: To do that we can use triple-quotes in the print statement like:

print(“””Hello,

World”””)

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:] -> lo, world!

7. What are the values of the following expressions?

“Hello”.upper() -> HELLO

“Hello”.upper().isupper() -> True

“Hello”.upper().lower() -> lower

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?

rjust(length, character), ljust(length, character), and center(length, character) are used for right-justifying, left-justifying, and centering, respectively.

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

Solution: We can use strip() method to remove whitespace characters from the start or end