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

**ANS:** Escape characters represent characters in string values that would otherwise be difficult or impossible to type into code. we can use the backslash character to escape a single character or symbol  
**example:** \t, \n

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

**ANS:** \n is a newline, \t is a tab

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

**ANS:** The \\ escape character will represent the backslash character 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:**  if the string is wrapped between double quote (‘’<text>‘’), then a single quote inside a string wont cause and issue.

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

**ANS:**

# Example:

a = '''My course is

Data Science Course'''

print(a)

Output: My course is

Data Science Course

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. lo, 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:**

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

b. There-can-only-one

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

**ANS:**  rjust(), ljust(), center()

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

**ANS: lstrip() and rstrip()**