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

**Ans 1:** Escape characters are used to insert characters in a string which are illegal to use directly in a string. Eg: “ cannot used as string in python

We use the escape character \ to insert “ in a string.

s = "what\”s your name"

'what"s your name'

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

**Ans 2: \n** stands for a new line

**\t** stands for tab

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

**Ans 3: s = "Hello \\"**

'Hello \\'

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 4: Because** “ ” string start with “ so it will end with “, no matter how many ‘ comes in between. If a string start with ‘ then in between two ‘ ’, ‘ will create a escaped problem.

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

**Ans 5:**

a = ''' Data science

Machine Learning

Stats

'''

print(a)

**OUTPUT:**

Data science

Machine Learning

Stats

6. What are the values of the given expressions?

'Hello, world!'[1]

'Hello, world!'[0:5]

'Hello, world!'[:5]

'Hello, world!'[3:]

**Ans 6:**

'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'.upper().isupper()

'Hello'.upper().lower()

**Ans 7:**

'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()

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

**Ans 8: '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?

**Ans 9: ljust(), rjust() and center()**

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

**Ans 10: a= ' snad '**

'snad'