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

**Q1. Ans –**

Escape characters or sequences are illegal characters for Python and never get printed as part of the output. When backslash is used in Python programming, it allows the program to escape the next characters.

Ex-

**str= "This FDSD course is from \"Ineuron\"."**

**print(str) # It will print This FSDS course is from Ineuron. Here \ is used an escape character.**

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

**Q2 Ans - In python \t and \n used for a tab and for a newline respectively.**

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

**Q3 Ans- We can include backslash in python string by providing two immediate backslashes.**

**Ex. course\_name=** **'FSDS\\'**

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?

**Q4 Ans – string** "Howl's Moving Castle" is not throwing an error as it is surrounded by double quote (""). If the complete string would have been surrounded by single quote ('') then definitely it would have been thrown an error.

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

**Q5. Ans –** We can use end= '\n' parameter in print statement to achieve this. Ex-

print('Welcome to iNeuron',end="\n")

print('This is FSDS Course')

🡪 We can also use doc string to write and print a sing in multiple line

Ex- welcome\_msg= """Welcome to iNeuron!

This is FSDS Course.

"""

Print(welcome\_msg)

6. What are the values of the given expressions?

'Hello, world!'[1]

'Hello, world!'[0:5]

'Hello, world!'[:5]

'Hello, world!'[3:]

7. What are the values of the following expressions?

**Q7 Ans. Please find below inline answers**

'Hello'.upper() - **HELLO**

'Hello'.upper().isupper() - **True**

'Hello'.upper().lower() - **hello**

8. What are the values of the following expressions?

**Q8 Ans. Please find below inline answers**

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

**O/p – ['Remember,', 'remember,', 'the', 'fifth', 'of', 'July.']**

As we know that str.split() generally splits a string into a list elements based on the given separates. By default, it separates on WHITE SPACE.

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

**O/p 🡪 There-can-only-one.**

**.join methods is used to join all the list elements n to a sting with a constant value.**

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

**Q9 Ans –**

**ljust(len, filchar), rjust(len, filchar) and center(len,fillchar) methods are used for** left-justifying, right-justifying and centring a string.

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

**Q10 Ans – str.strip() function is used in python to remove white space from start and end from a string.**