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

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.

print("welcome to "Mumbai" from the chennai.")

You will get error if you write above code

print("welcome to \"Mumbai\" from the chennai.")

You have to write code like written above where \ is escape character.

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

Ans.

\n stands for new line .

\t stands for tab.

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

Ans. print("hello \\ mumbai ")

**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. The single quote is fine in the string because we have enclosed string in double quotes.

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

Ans. Using \n escape characters.

**6. What are the values of the given expressions?**

'Hello, world!'[1]

Ans. ‘e’

'Hello, world!'[0:5]

Ans. ‘Hello’

'Hello, world!'[:5]

Ans.‘Hello’

'Hello, world!'[3:]

Ans. ’lo, world!’

**7. What are the values of the following expressions?**

'Hello'.upper()

Ans, ‘HELLO’

'Hello'.upper().isupper()

Ans. True

'Hello'.upper().lower()

Ans. ‘hello’

**8. What are the values of the following expressions?**

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

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

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

Ans. ‘There-can-only-one.’

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

Ans. ljust() for left- justifying.

rjust() for right-justifying

center() for center.

a = "Welcome to the jungle"

print(a.ljust(70, '\*'))

print(a.center(70, "\*"))

print(a.rjust(70, '\*'))

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

Ans.

lstrip() to remove whitespace from start.

rstrip() to remove whitespace from end.

strip() tp remove whitespace from start and end both sides.