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

Ans.

Python strings, the backslash "" is a special character, also called the "escape" character. It is used in representing certain whitespace characters: "\t" is a tab, "\n" is a newline, and "\r" is a carriage return

print("my \

name \

is \

yash")

my name is yash

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

Ans. "\t" is a tab

"\n" is a newline

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

Ans. print('its a backslash \ in  line')

It’s a backlash \ in line

1. 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. print("Howl's Moving Castle")

used double quotes to mark the beginning and end of the string we can use double quotes in with single quotes

print('my name is "yash"')

my name is “yash”

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

Ans. print("printing in new line",end = '\n')

print("newline")

printing in new line

newline

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() hello

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?

str = ("I am Yash")

str.rjust(20,"\*")

str = ("I am Yash")

str.ljust(20,"\*")

str.center(20,"\*")

\*\*\*\*\*I am Yash\*\*\*\*\*\*

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

str = ("     Hye how you doing      ")

str.lstrip()

‘Hye how you doing ‘

str = ("     Hye how you doing      ")

str.rstrip()

‘ Hye how you doing’