**PYTHON BASIC ASSIGNMENT\_6 - SUBMITTED BY SAMUEL DEVDAS**

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

Ans. Escape characters allow illegal syntax to be written in python without throwing an error.

Eg. When writing a string such as “my name is Samuel’’, if you want to write it as “my name is “samuel””, will throw a syntax error in console.

Therefore to legitimise this illlegal action an escape character like ‘\’ can be used before the illegal characters.

So, “my name is \“samuel\”” will run without an error and the output will display as “my name is Samuel’’.

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

Ans. ‘\n’ starts a newline in the output.

‘\t’ gives character space in the output.

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

Ans. 1. txt = "Hello\nWorld!"

print(txt)

Output: Hello

World!

2. txt = "Hello\tWorld!"

print(txt)

Output: Hello World!

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 double quotes outside the string handles the existence of a single ‘single quote’ within them. If we use single quotes outside as well eg. 'Howl's Moving Castle', it will throw a syntaxerror.

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

Ans. Using three double or single quotes outside a multiline string, we can print multilines without the ‘n’character.

a="""My name is Samuel

I am part of full stack"""

print(a)

Output: My name is Samuel

I am part of full stack

6. What are the values of the given expressions?

'Hello, world!'[1] output: 'e'

'Hello, world!'[0:5] output: 'e'

'Hello, world!'[:5] output: 'Hello'

'Hello, world!'[3:] output: 'Hello'

7. What are the values of the following expressions?

'Hello'.upper() Output: 'HELLO'

'Hello'.upper().isupper() Output: True

'Hello'.upper().lower() Output: 'hello'

8. What are the values of the following expressions?

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

Output: ['Remember,', 'remember,', 'the', 'fifth', 'of', 'July.']

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

Output: 'There-can-only-one.'

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

Ans. string=”samuel”

Right-justifying: string.rjust()

left-justifying: string.ljust()

centering: string.center()

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

Ans. String=” samuel ”

remove whitespace characters from the start: string.lstrip(‘ ’)

remove whitespace characters from the end: string.rstrip(‘ ’)