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

Solution: In 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. Conversely, prefixing a special character with "" turns it into an ordinary character.

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

Sol: : "\t" is a tab, "\n" is a newline

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

Sol: Use two backslashes to represent a backslash

Use the syntax "\\" within the string literal to represent a single backslash.

Q 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?

Sol: The single quote in Howl's is fine because you've used double quotes to mark the beginning and end of the string.

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

Sol: Multiline strings allow you to use newlines in strings without the \n escape character.

```
## 6. What are the values of the given expressions?
###'Hello, world!'[1]
#'Hello, world!'[0:5]
#'Hello, world!'[:5]
#'Hello, world!'[3:]
# Sol:
print('Hello, world!'[1])
print('Hello, world!'[0:5])
print('Hello, world!'[:5])
print('Hello, world!'[3:])
```

```
    e
    Hello
    Hello
    lo, world!
```

```
#7. What are the values of the following expressions?
#'Hello'.upper()
```

```
#'Hello'.upper().isupper()
# 'Hello'.upper().lower()
# Sol:
print('Hello'.upper())
print('Hello'.upper().isupper())
print('Hello'.upper().lower())
```

```
    HELLO
    True
    hello
```

```
# 8. What are the values of the following expressions?
#'Remember, remember, the fifth of July.'.split()
# '-'.join('There can only one.'.split())
# Sol:
print('Remember, remember, the fifth of July.'.split())
print('-'.join('There can only one.'.split()))
```

```
    ['Remember,', 'remember,', 'the', 'fifth', 'of', 'July.']
    There-can-only-one.
```

```
# Q. 9. What are the methods for right-justifying, left-justifying, and centering a st
# Sol: The rjust(), ljust() and center() strings methods.
```

```
# Q. 10. What is the best way to remove whitespace characters from the start or end?
## Sol: trim. trim function is ussed to remove strip whitespace (or other character) i
```

✓ 0s   completed at 8:11 AM   ● ✕