**Python Assignment - 6**

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

**Ans:** Back slashes represent the beginning of escape sequence. Escape sequence represent strings that may be difficult to input.

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

**Ans**: \n stands for Newline.

**Example**: print(“Python is beautiful!” \n “I love Python”)

**Output**: Python is beautiful!

I love Python

\t stands for tab

**Example:** print(“Python is beautiful!” \t “I love Python”)

**Output:** Python is beautiful! I love Python

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

**Ans:** To place a back slashes in your string use a double back slash.

**Example:** print(“Python is beautiful!” \\ “I love Python”)

**Output:** Python is beautiful! \ I love Python

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:** The single quote character in the word Howl’s not escaped a problem as we have written it in double quotes to mark the beginning and end of the string.

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

**Ans:** Using end, we can write a string of newlines.

**Example:** print(“This is first line”, end = ’.’)

Print(“This is second line.”)

**Output:** This is first line. This is second line.

1. **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!’

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

**'Hello'.upper(): ‘**HELLO’

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

**'Hello'.upper().lower():** ‘hello’

1. **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.’

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

**Ans:** The methods for the following are as follows:

1. **right-justifying:** rjust()
2. **left-justifying:** ljust()
3. **centering:** center()
4. **What is the best way to remove whitespace characters from the start or end?**

**Ans:** The best way to remove whitespace characters from the start or end are lstrip() and rstrip(). Lstrip() method removes whitespaces only from the beginning of the string. Rstrip() method removes whitespaces only from the end of the string.