Python_Basic_assignment_6

August 7, 2023

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

```
Escape characters are special characters used in strings to represent certain␣
 ↪non-printable or special characters.
Ex - '\', '\\', "\'", '\n', 't' ,'r'
```

What do the escape characters n and t stand for?

```
\n - Newline: Inserts a newline character, creating a line break.
\t - Tab: Inserts a tab character, creating horizontal spacing.
```

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

```
We can use '\\' to include backslash characters in a string
```

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?

```
Inclosed string in double quotes enables us to use single quote inside the␣
 ↪string
```

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

```
By using triple quotes """ or ''' to create a multi-line string create newlines␣
 ↪without use n character.

my_string = """This is a string
with multiple lines
without using \n escape sequence."""

print(my_string)
```

What are the values of the given expressions? 'Hello, world!'[1] 'Hello, world!'[0:5] 'Hello, world!'[:5] 'Hello, world!'[3:]

```
[4]: 'Hello, world!'[1]
```

```
[4]: 'e'
```

```
[5]: 'Hello, world!'[0:5]
```

```
[5]:  'Hello'
```

```
[7]:  'Hello, world!'[:5]
```

```
[7]:  'Hello'
```

```
[8]:  'Hello, world!'[3:]
```

```
[8]:  'lo, world!'
```

7. What are the values of the following expressions? 'Hello'.upper() 'Hello'.upper().isupper() 'Hello'.upper().lower()

```
[9]:  'Hello'.upper()
```

```
[9]:  'HELLO'
```

```
[10]:  'Hello'.upper().isupper()
```

```
[10]:  True
```

```
[11]:  'Hello'.upper().lower()
```

```
[11]:  'hello'
```

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

```
[12]:  'Remember, remember, the fifth of July.'.split()
```

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

```
[13]:  '-'.join('There can only one.'.split())
```

```
[13]:  'There-can-only-one.'
```

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

```
[ ]:  'str.rjust()' , 'str.ljust()' , 'str.centerjust()' used for right-justifying,␣
      ↪left-justifying, and centering a string.
```

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

```
[14]:  text = "  Hello World  "
       text_edit = text.strip()
       print(text_edit)
```

```
Hello World
```

[ ]: