

In []: 1. What are escape characters, and how do you use them?

In []: Escape characters or sequences are illegal characters for Python and never get printed as part of the output. When backslash is used in Python programming, it allows the program to escape the next characters.
Syntax: \EscapeCharacter

In []: 2. What do the escape characters n and t stand for?

In []: \n stands for new line character and \t stands for tab spaces (1Tab=5Spaces).

In []: 3. What is the way to include backslash characters in a string?

In []: In python strings including backslash means same as escape character.
for ex: \n, \t, etc.

In []: 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?

In [1]: Fine! No problem because anything you write in a double quote that indicates a string. Prints the same as that.
s="Howl's Moving Castle"
s

Out[1]: "Howl's Moving Castle"

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

In [2]: We can write a string of newlines by not using n character by writing several statements.
print("My name is:")
print("Biswajeet")
print("Sahu")

My name is:
Biswajeet
Sahu

In []: 6. What are the values of the given expressions?
'Hello, world!'[1]
'Hello, world!'[0:5]

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'Hello, world!':[:5]  
'Hello, world!':[3:]
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In [4]: a='Hello, world!'[1]  
a
```

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Out[4]: 'e'
```

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In [5]: b='Hello, world!':[0:5]  
b
```

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Out[5]: 'Hello'
```

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In [6]: c='Hello, world!':[:5]  
c
```

```
Out[6]: 'Hello'
```

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In [7]: d='Hello, world!':[3:]  
d
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Out[7]: 'lo, world!'
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In [ ]: 7. What are the values of the following expressions?  
'Hello'.upper()  
'Hello'.upper().isupper()  
'Hello'.upper().lower()
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In [12]: str1='Hello'  
a=str1.upper()  
a
```

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Out[12]: 'HELLO'
```

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In [13]: str2='Hello'  
b=str2.upper().isupper()  
b
```

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Out[13]: True
```

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In [14]: str3='Hello'  
c=str3.upper().lower()  
c
```

```
Out[14]: 'hello'
```

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

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In [15]: a1='Remember, remember, the fifth of July.'.split()  
a1
```

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Out[15]: ['Remember,', 'remember,', 'the', 'fifth', 'of', 'July.']
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In [16]: a2='-' .join('There can only one.'.split())  
a2
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Out[16]: 'There-can-only-one.'
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In [ ]: 9. What are the methods for right-justifying, left-justifying, and centering a string?
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In [ ]: The rjust(), ljust(), and center() string methods, respectively.
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In [ ]: 10. What is the best way to remove whitespace characters from the start or end?
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In [ ]: The lstrip() and rstrip() methods remove whitespace from the left and right ends of a string, respectively.
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