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

Answer:

Escape characters are used to insert characters that are usually not allowed in python string. These escape characters will not be printed in the output. For example, if I want to type the string “This is Pradeep’s program”, the syntax would be.

**print(‘This is Pradeep\'s program’)**

**>>> This is Pradeep's program**

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

Answer:

\n stands for **new line** which is used to insert new line in the string

\t stands for **tab** which is used to insert tab in the string

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

Answer:

To insert a backslash in a string use “**\\**”

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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?

Answer:

The single quote in the string is not an issue because the whole string is enclosed in double (“”) quotes and inside such scenario a single quote (‘) can be used.

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

Answer:

1. We can use multiple print statements to write a string in new lines.

For example,

print(“Hello,”)

print(“World!”)

**>>> Hello,**

**World!**

1. We can use triple quotes to write a string in multiple new lines.

For example,

print(‘’’Hello,

World!’’’)

**>>> Hello,**

**World!**

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6. What are the values of the given expressions?

'Hello, world!'[1]

'Hello, world!'[0:5]

'Hello, world!'[:5]

'Hello, world!'[3:]

Answer:

'Hello, world!'[1]

**>>> e**

'Hello, world!'[0:5]

**>>> Hello**

'Hello, world!'[:5]

**>>> Hello**

'Hello, world!'[3:]

**>>> lo, world!**

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7. What are the values of the following expressions?

'Hello'.upper()

'Hello'.upper().isupper()

'Hello'.upper().lower()

Answer:

'Hello'.upper()

**>>> HELLO**

'Hello'.upper().isupper()

**>>> True**

'Hello'.upper().lower()

**>>> hello**

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8. What are the values of the following expressions?

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

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

Answer:

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

**>>> ['Remember,', 'remember,', 'the', 'fifth', 'of', 'July.']**

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

**>>> There-can-only-one.**

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

Answer:

right-justifying a string – rjust()

left-justifying a string – ljust()

centering a string – center()

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

Answer:

The best way is to use the **.strip()** function.