Python Strings

```python
print("Hello")
```

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Multiline Strings

```python
str = """Lorem ipsum dolor sit amet,
consectetur adipiscing elit,
sed do eiusmod tempor incididunt
ut labore et dolore magna aliqua."""
print(str)
```

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Strings are Arrays

```python
a = "Hello, World!"
print(a[1])
```

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Slicing

You can return a range of characters by using the slice syntax.

Specify the start index and the end index, separated by a colon, to return a part of the string.

```python
b = "Hello, World!"
```

```python
print(b[2:5])
```

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String Length

```
a = "Hello, World!"
print(len(a))
```

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String Methods

1). The strip() method removes any **whitespace** from the beginning or the end:
```
a = " Hello, World! "
print(a.strip())
```

2). The lower() method returns the string in **lower** case:
```
a = "Hello, World!"
print(a.lower())
```

3). The upper() method returns the string in **upper** case:
```
a = "Hello, World!"
print(a.upper())
```

4). The replace() method **replaces** a string with **another** string:
```
a = "Hi, Sanket!"
print(a.replace("J", "A"))
```

5). The split() method splits the string into **substrings** if it finds instances of the **separator**:
```
a = "Hello, World!"
print(a.split(","))
```

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String Concatenation

```
a = "Hello"
b = "World"
c = a + b
print(c)
```

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String Format

The format() method takes the passed arguments, formats them, and places them in the string where the placeholders {} are:

age= 28
str= "My name is Sanket, and I am {}"
print(str.format(age))

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Python String capitalize()

str = "hello students, welcome to python world."

x = str.capitalize()

print (x)

Python String casefold()

str = "hello students, welcome to python world."

x = str.casefold()

print (x)

Python String count()

str = "I love apples, apple are my favorite fruit"

x = str.count("apple")

print(x)

Python String endswith()

```python
str = "Hello, welcome to Python."

x = str.endswith(".")

print(x)
```

Python String find() - index()

```python
str = "Hello, welcome to Python."

# x = str.find("welcome")

# x = str.index("welcome")

print(x)
```

Python String isalnum()

```python
txt = "Sanket123"

x = txt.isalnum()

print(x)
```

Python String isalpha()

```python
txt = "Sanket"

x = txt.isalpha()

print(x)
```

Python String isdigit()

txt = "52500"

x = txt.isdigit()

print(x)

Python String title()

txt = "welcome to python world"

x = txt.title()

print(x)