

GSET - Intro to Programming with Python

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Module 5 - Strings

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- A different type of data
- A List of Characters
- Using Strings in Python
- Basic String Methods
- Advanced Methods

A different type of data

We have learned to store and use numerical data in Python. This type of data is common to the scientist and engineer.

- Computations for Analysis
- Data Collection and Storage
- System Operation and Control

Computer systems require a different type of data which *may* be less familiar to the standard user. The _____ and the _____ data types have many uses in computer programming.

-
-
-

reference:

A different type of data

ASCII - American Standard for Information Interchange - convention used for character encoding in most computer systems



Unicode - *The Unicode Consortium is the standards body for the internationalization of the software and services*



A List of Characters

Textual data in Python is handled with str objects, or strings. Strings are immutable sequences of Unicode code points. String literals are written in a variety of ways: - docs.python.org

```
string1='Single quotes are nice!'
```

```
string2="Double quotes allow 'embedded' single quotes"
```

```
string3='''Triple quote (single or double) allow for  
multiple line strings'''
```

reference: docs.python.org

A List of Characters

ref: **some text**

A List of Characters

Redefining Items in a List

A different type of data
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Using Strings in Python

ref: python.org

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