

A large, semi-transparent dark red circle is positioned in the center of the slide, partially overlapping the text area.

# PYTHON BOOTCAMP

[www.jomhack.com](http://www.jomhack.com)

# STRING MANIPULATION

## String Creation:

- Single Quote (one liner)
- Double Quote (one liner)
- Triple Quote (multi liner)

```
4  single_quote = 'Hello'  
5  double_quote = "World"  
6  triple_quote = """Multi-line  
7  string"""
```

# STRING MANIPULATION

## String indexing and slicing:

- Indexing: number(position) for each character
- Slicing: grabbing multiple characters [start:stop:step]

```
10  text = "Python Programming"
11
12  print(text[0])          # (first character)
13  print(text[-1])         # (last character)
14  print(text[0:6])         # (slice 0 to 5)
15  print(text[:6])          # (from start to 5)
16  print(text[7:])          # (7 to end)
```

# STRING MANIPULATION



## String Formatting:

- f-string
- str.format()
- %-formatting

```
29  name = "John Doe"
30  age = 30
31
32  message_1 = f"My name is {name} and I am {age} years old."      # f-strings
33  message_2 = "My name is {} and I am {} years old".format(name, age) # str.format()
34  message_3 = "My name is %s and I am %d years old." % (name, age)    # %-formatting
35
36  print(message_1)
37  print(message_2)
38  print(message_3)
```

# STRING MANIPULATION



## Exercise:

1. Build a simple text analyzer that counts words, characters, and sentences in a given text.

text = """Python is a powerful programming language. It's easy to learn and versatile!

You can use Python for web development, data science, and automation. The syntax is clean and readable.

This makes Python perfect for beginners and experts alike."""