



4.1.1 String Handling

A **string** is a sequence of characters.

String-handling operations allow programs to manipulate and process text.

String-Handling Operations

Length

```
animal = "Elephant"  
print(len(animal))
```

Output:

```
8
```

Position

```
word = "HELLO"  
print(word[0])  
print(word[1])  
print(word[-1])
```

Output:

```
H  
E  
O
```

Substring

```
sentence = "Python is fun"  
print(sentence[0:6])
```

Output:

```
Python
```





Concatenation

```
first_name = "John"
last_name = "Doe"
full_name = first_name + " " + last_name
print(full_name)
```

Output:

```
John Doe
```

Character to Character Code

```
print(ord("A"))
```

Output:

```
65
```

Character Code to Character

```
print(chr(65))
```

Output:

```
A
```

String to Integer

```
number_str = "5"
number_int = int(number_str)
print(number_int * 2)
```

Output:

```
10
```





Integer to String

```
number_int = 10
number_str = str(number_int)
print(number_str + " is a number.")
```

Output:

```
10 is a number
```

