

# Strings

It is a collection of characters surrounded by double quotes

## Declaring String

```
// Include the string library
#include <string>

// String variable
string variable1 = "Hello World";
```

## append function

It is used to concatenate two strings

```
string firstName = "John ";
string lastName = "Doe";
string fullName = firstName.append(lastName);
cout << fullName;
```

## length function

It returns the length of the string

```
string variable1 = "SingaporePolytechnic";
cout << "The length of the string is: " << variable1.length();
```

## Accessing and changing string characters

```
string variable1 = "Hello World";
variable1[1] = 'i';
cout << variable1;
```