

# Basic String Operations Exercises

# Basic String Operations

- Write down expressions which perform the following operations on `std::variables s1` and `s2`
- Briefly describe the result of each operation
- Assignment
- Appending
- Concatenation
- Comparison

# Compatibility with C-style Strings

- Describe how to obtain a C-style string from a `std::string` variable
- When might this be useful?

# substr()

- Convert the code into a working program. At the end of the program, print out the strings

```
string str {"Hello world"};  
str[1] = 'a';  
string s1 = str.substr(6);  
string s2 = str.substr(6,2);
```

- What results do you expect?

# Constructors

- Explain what the code below does
- Convert it into a working program which prints out each string's data and the number of elements it has
- What results do you expect?

```
string hi { "Hello" };  
string howdy { 'H', 'e', 'l', 'l', 'o' };  
string triplex(3, 'x');  
string hello(hi, 1);  
string hello2(hi, 1, 3);
```