

# L15 (C++)

## Introduction to Strings

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# RECAP

Single quotes  
(z)

(-)

'a', 'b', '\n', '#' -> Examples of characters

endl

functionality with '\n' & endl are same

["Hi"], ["Hello"], ["How are you?"] -> Examples of strings  
2      5      12

Even "a" is a string

## Declaration and initialisation

→ string city; → string city = "Agoodhyg";  
    { int  
      char

## Taking input & accessing characters

cin?

name[0]

name[1];

string name;

cin >> name;

getline(cin, name); → it will read spaces as well

## String addition/concatenation

```
String str1 = "Mohammad";
```

```
str1 += " ";
```

```
String str2 = "Fazl";
```

```
str1 += str2;
```

## Some in-built functions

size ( )

substr ( )

erase ( )

append ( )

insert ( )

## String comparison

`==` for equality

`str1.compareTo(str2);`



*int to string & string to int*

1. `stoi()`

2. `to_string()`

Let's start some practice

Check if a given string is a palindrome or not.

racecar

madam  
→  
←

nitin

Given a string, find the most recurring character

Given an integer, find the sum of its first digit & last digit.

Given 2 strings, check if they're anagrams of each other.  
(Homework)

# Thank You!

Reminder: Going to the gym & observing the trainer work out can help you know the right technique, but you'll muscle up only if you lift some weights yourself.

So, PRACTICE, PRACTICE, PRACTICE!