**Strings**

Indexing characters on a string –

* **.length**
* **.at(-1)**
* Graphical user interface, application, Teams

  Description automatically generated**indexOf/lastIndexOf**

Extracting substrings using slice()

Strings cannot be mutated as they are primitives, so slice() never changes the original string. In order to save slice() substrings, they must be assigned to a variable. Slice can take a begin and end argument, which are the index to begin/end the slicing.

End argument specifies up to but **NOT INCLUDING** the last character to extract

Graphical user interface, application, Teams

Description automatically generated

Extracting words using slice and not hard coding

Graphical user interface, application, Teams

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Practical usage of slicing, checking last letter in string to check if seat is in middle row

Graphical user interface, application

Description automatically generated

Why methods work on String primitives?

Graphical user interface, application, Teams

Description automatically generatedWhen a method is called on a primitive string type, it is converted into a string object so that methods can be invoked on it. Process is called **boxing**. Takes the string puts it into a box which is the object. All string methods return primitives, so the string is reset to a primitive type