

AQA Computer Science GCSE

3.2.8 String Handling

Flashcards

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What is a string in programming?



What is a string in programming?

A sequence of characters enclosed in quotes, e.g. "hello".



What does the length function do?



What does the length function do?

Returns the number of characters in a string.

Example: `length("hi")` → 2



What does the position function do?



What does the position function do?

Returns the index of a character or substring in a string.

Example: `position("cat", "a")` \rightarrow 1



What does the substring function do?



What does the substring function do?

Extracts part of a string using a starting index and length.

Example: `substring("apple", 0, 2)` →
"app"



What is concatenation?



What is concatenation?

Joining two or more strings together.

Example: "Hi" + " there" → "Hi there"



What does `ASC("A")` return?



What does `ASC("A")` return?

The ASCII code of the character

`"A"` \rightarrow 65



What does CHR(66) return?



What does `CHR(66)` return?

The character for ASCII code 66 → "B"



How do you convert a string to an integer?



How do you convert a string to an integer?

Use `int("42")` → returns 42



How do you convert a string to a real/float?



How do you convert a string to a real/float?

Use `float("3.14")` → returns 3.14



How do you convert an integer to a string?



How do you convert an integer to a string?

Use `str(42)` → returns "42"



What happens if you try to concatenate a string and a number without converting?



What happens if you try to concatenate a string and a number without converting?

It causes an error—you must convert the number to a string first.



Why is string handling important in programming?



Why is string handling important in programming?

It allows manipulation of text for tasks like user input, data formatting, and messaging.

