



Concatenation Operator





Concatenation Operator

Learning Objective(s)

This material should address the following question(s).

- What is concatenation operator?
- How to use the concatenation operator?

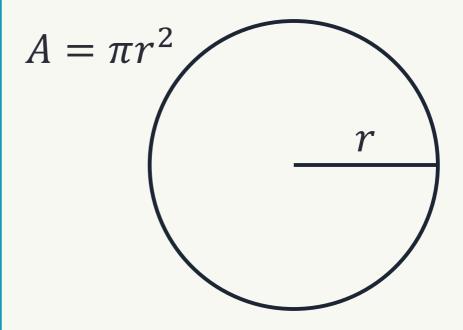
Discussion Point

Concatenation operator: The Core Concepts.



Problem

- In the circle area calculation, we have three values, some of them described with metrics.
 - π has no metric.
 - r and A have.
 - E.g. cm and cm² respectively.
- Variables or constants store values without the metrics.



Joining Texts

- For the user experience sake, sometimes, we need to put a little sugary.
 - E.g. displaying the metrics together with the values.
- We need to join the value and the metric into a single text.
 - **Concatenating** the value and the metric.

Without metric 78.54

With metric 78.54 cm²

in some instances, this form is preferred.



What is **concatenation** operator?

Definition



Concatenation operator is a binary operator that joins two values into a new textual value.

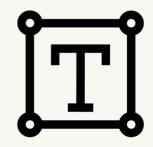
This value is fractional but seen as textual value.

78.54 cm²

Glued with another value also seen as a text.

Concatenation Operator

 Concatenation is like **gluing** a value behind the other in textual context.



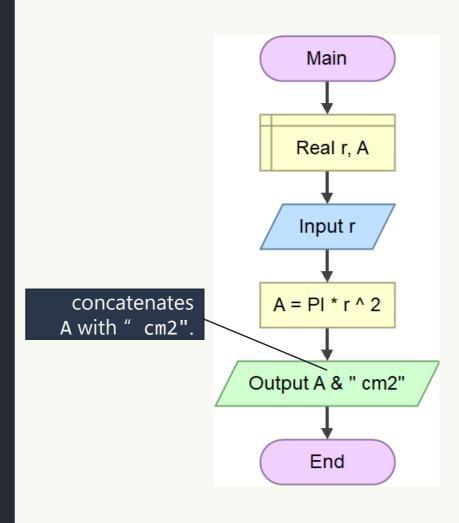
- The support for this operator is vary from language to language.
 - Please consult the language specifications.
- Specific to Flowgorithm, the ampersand (&) symbol is used to concatenate values.

Hands On

• In the example, the value stored in the variable A is joined or concatenated with " cm2".

• The concatenation operator is symbolized with the &.

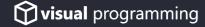
 Can we concatenate another, say integer value, before A?



Final **Thoughts.**

Conclusion

- 1. The concatenation operator joins two values into a single text.
- 2. The support to this operator vary from language to language.



References

Wassberg, J. (2020). Computer Programming for Absolute Beginners. Packt.

REF

Operators – Flowgorithm
http://www.flowgorithm.org/documentation/operators.html



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