visual programming

Returning Value

Bachelor of Information Systems
Institut Teknologi Del

Learning Objective(s)

This material should address the following question(s).

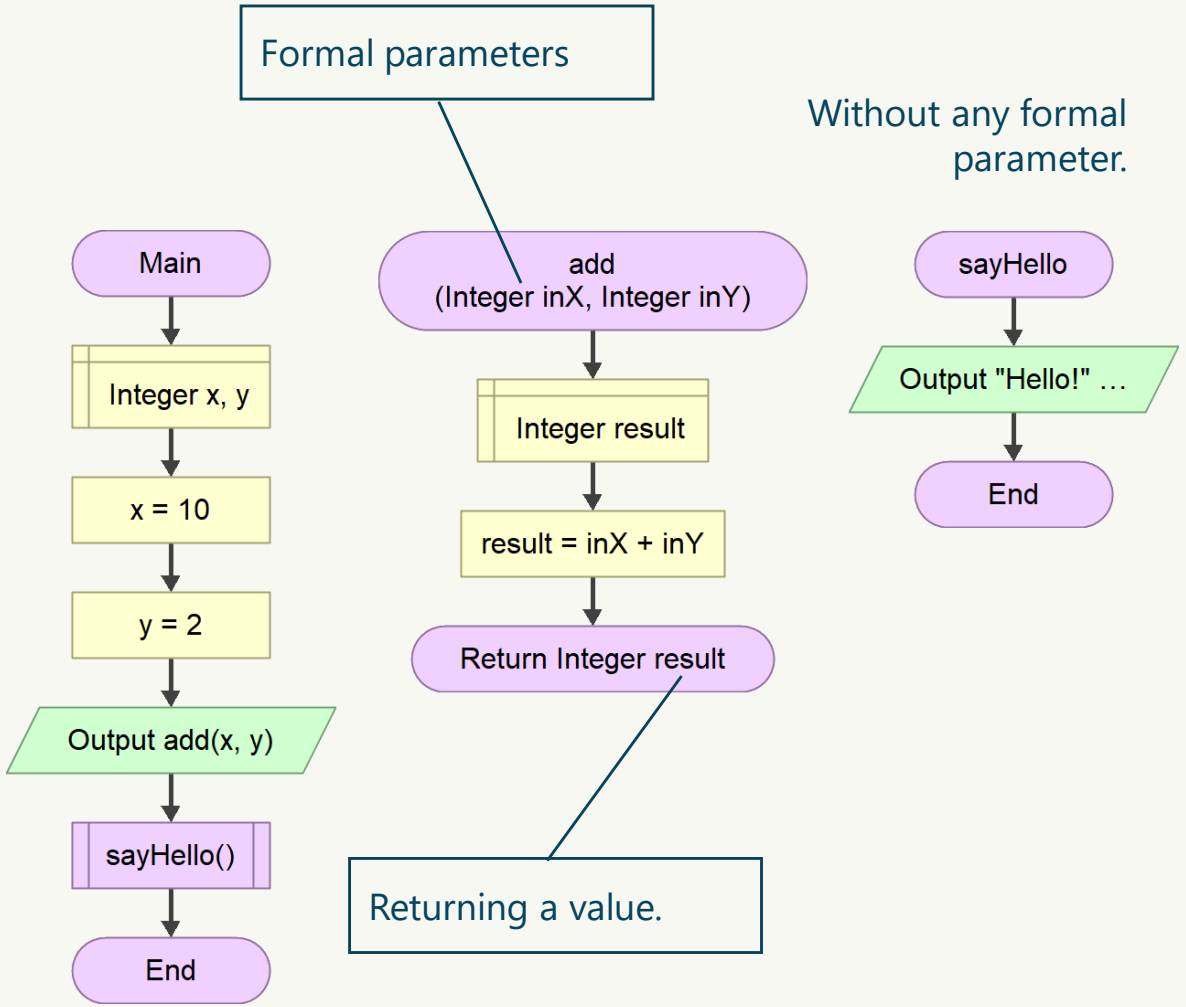
- Why and when a function should return a value?
- How to return a value?

Discussion Point

Returning Value:
The Core Concepts.

An Example

- The add function is responsible to do an addition operation to the given arguments.
- It is possible to use the result (output) from the add function on the next step.
  - The function must **return** the result back to the caller.



Question

What is **returning value**?

Definition

*A function **returns** a value back to its caller.*

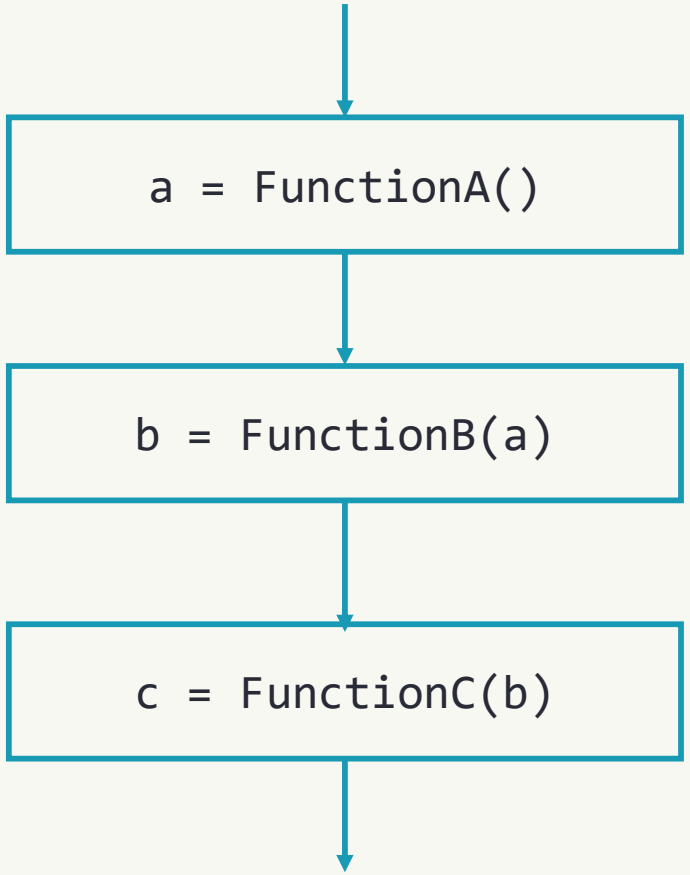
*A function which does not return a value is called as a **procedure**.*

Chain of Processes

a is the result of **FunctionA**.

a is passed into **FunctionB** which produces **b**.

b is passed into **FunctionC** and the execution produces **c**.



In the example we see a chain of processes. It shows a case where a process is directly dependent to the previous one. Returning value plays an important role in the example.

Final **Thoughts.**

Conclusion

1. A function **returns** a value back to its caller.
   - When it does not, it is called as a **procedure**.
2. Returning value is useful to make a chain of processes.

References

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

– E O F –

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