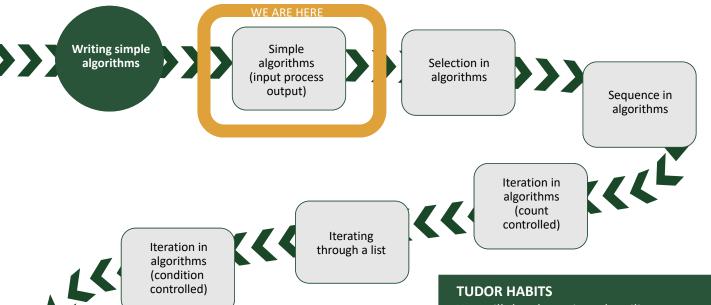


Validating input data

## LEARNING JOURNEY COMPUTER SCIENCE

## **ALGORITHMIC LITERACY - WRITING**



Computational thinking is the skill that underpins algorithms and programming. It describes the process between identifying a problem amenable to a computational approach, and implementing the solution to that problem using a programming language. It is an essential skill for all computer scientists, and it is this skill that you will develop over the course of your studies. In the previousl learning journey, you learned how to read (trace through) algorithms. In this learning journey, you will learn how to write algorithms.

You will develop grit and resilience as you develop computational thinking skills on this learning journey.

VOCABULARY: Variable, sequence, selection, iteration, trace

Testing and changing algorithms

**Testing** algorithms in Python

Identifying and fixing errors (debugging)

Changing algorithms in Python

