

Is everything in Computing always correct?

Word	Definition
Abstraction	Identifying which details we need to solve the problem and which details we can ignore
Algorithm	A precise step-by-step set of Instructions used to solve a problem or achieve an objective
Coding	Writing instructions that a computer can process to make programs
Decomposition	Breaking down a problem into smaller parts
System	A collection of parts chosen to do something together

What do we mean by Computer Programming or Coding?

This is the way that Computer Programmers (People who program computers) input instructions into computers to create programs (software).

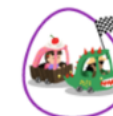
1 People will think of an idea and plan how the program should work.



2 A programmer will program (code) instructions into a computer.



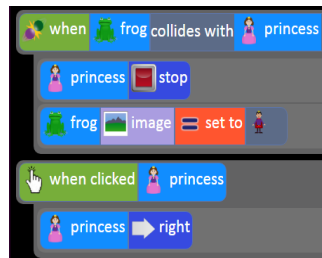
3 A computer program (piece of software) is made.



2Race



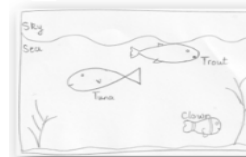
What shape will this code create?



You will be using code to complete objectives, such as turning a frog into a prince when he meets the princess!

The **algorithm** is **not** the same thing as the code.

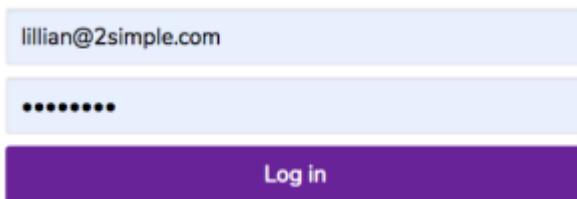
This is the **design**.



This is the **algorithm**.

1. Tuna should swim left.
2. Clown fish should swim right.
3. Trout should swim right.

This is how the algorithm could be represented in **code** using 2Code.



The most common passwords are actually easy to guess, such as 1234 or even password!

Is this safe or not? Why is it important to have a hard to guess password?



How will you know if the website you're looking at is real or if it is a spoof?

What can you do as a responsible online user if you come across a spoof website?

Word	Definition
Cyberbullying	Bullying that happens online
Password	A secret phrase, made up of letters or numbers, used to keep
Spoof Website	A fake website designed into tricking the user that it's real