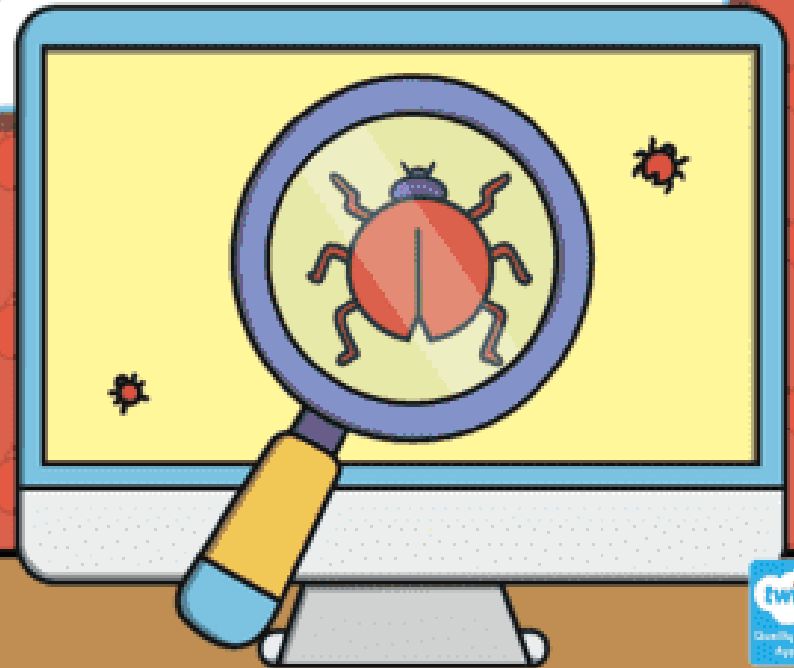
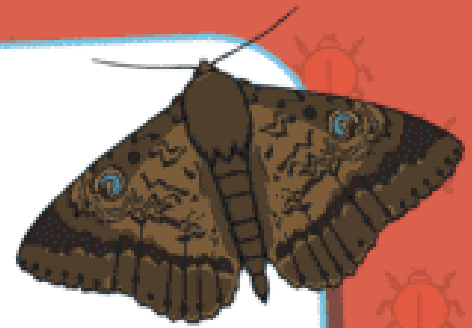


What Is Debugging?



Mistakes

We all make mistakes.

Weekly spellings

It is

1. cat

2. dog

3. fish

4. bugg

5. COW

Can you spot the mistake?

Now that we know
The correct spelling is:
We have learned from
spelling mistakes, we
can spell it correctly
next time.

bug

Debugging

To make our algorithm work the way we want it to, we must find the bug and fix it. This is called **debugging**.

To find the bug, we need to think about:



What is happening?

- What goes wrong?
- How can it be fixed?

Debugging

When debugging your algorithm:

Print the output step by step.

What goes wrong?
Are you able to explain what is happening you will have to ask what doesn't work. This will help you find the answer.



Debugging Examples

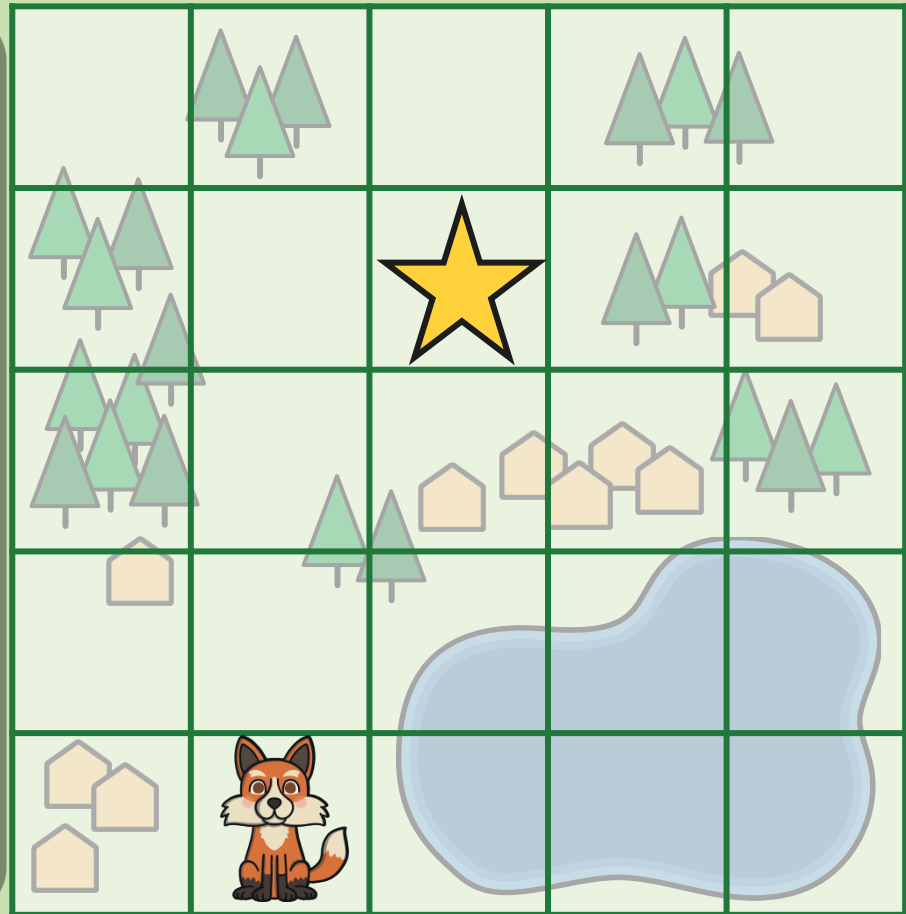
The bug was that it was
missing an algorithm that
checked if the fox could
move to the left.



We can write an algorithm
that moves the fox one
space to the left.
grid commands.

TEST

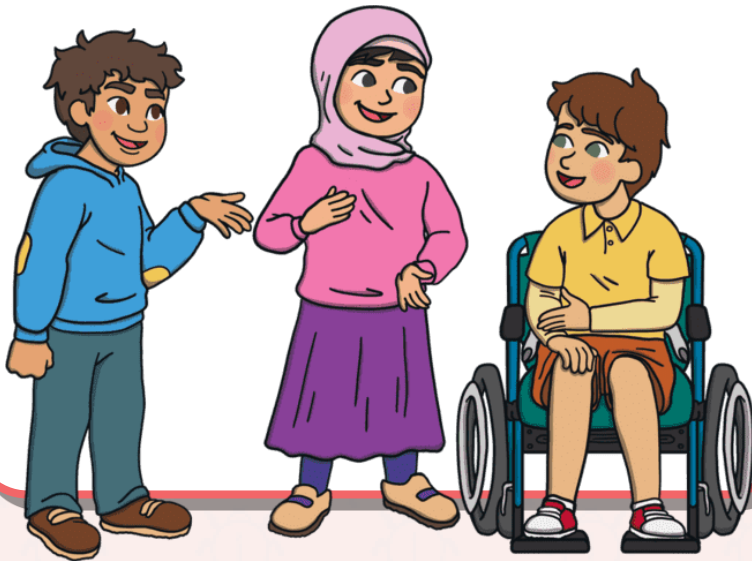
Moves the fox one
space to the left.
star. What went wrong?
How can I fix it?



What Is Debugging?

Talk to a partner:

- What is debugging?
- What can you do if you find a bug in your algorithm?



Remember:

- Think about the problem step by step.
- Talking about a bug can help you solve it.
- Don't give up! Keep trying and you will find the bug.

