

Computing: We are software developers Y4

Learning link

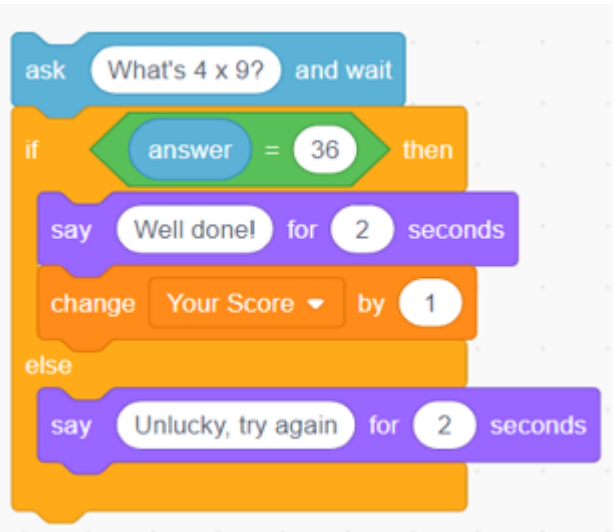
In year 3 you used Scratch to fix bugs in programs as ‘We are Bug Fixers.’
Can you remember any of the different blocks you used to create programs in Scratch?

Key learning

This term you will create a simple educational game using Scratch.’

Check the code opposite and try to understand the **algorithm**.

Can you also spot the **variable** block that has been created? What is its purpose?



Did you know?

Scratch was created in 2007 by a team led by American computer scientist **Mitch Resnick**. He wanted to create a programming tool that was free, so that all children around the world could express their creativity through coding. Currently, there were an estimated 135 million registered users of Scratch. worldwide



Vocabulary

algorithm	A sequence of precise instructions or steps for achieving a goal.
debug	To spot and correct mistakes (bugs) in a computer program or algorithm.
repetition	A programming feature where a group of instructions is repeated a number of times, or until a certain condition is met.
selection	If / then / else programming, which shows which code will run depending on which condition is met.
variable	A value that can change based on what is happening in a program, for example scoring and timer variables are often used in computer games.

Keeping safe

