

More loops

A **loop repeats** a section of code a set number of times

Repetition is a really important idea in programming. It makes a lot of things quicker and easier to do

We sometimes call **repetition** by the name **iteration**

More loops

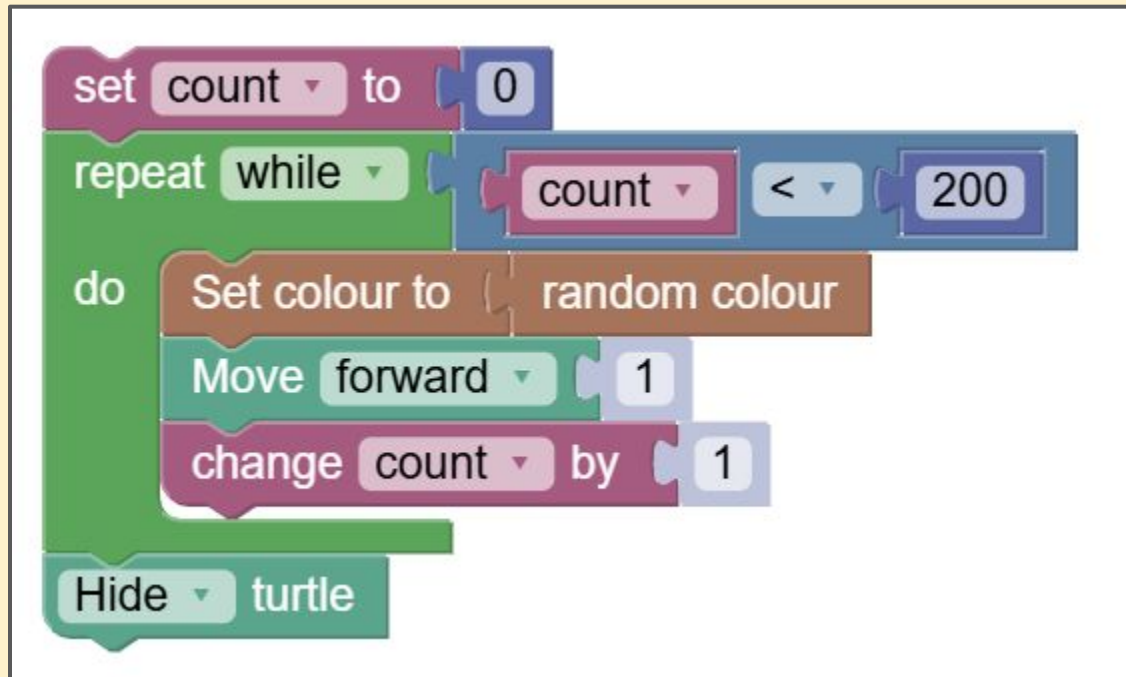
There are two new loops in the purple playground: repeat - while and repeat - until



These are more powerful than normal repeat loops that will only ever loop a set number of times

More loops

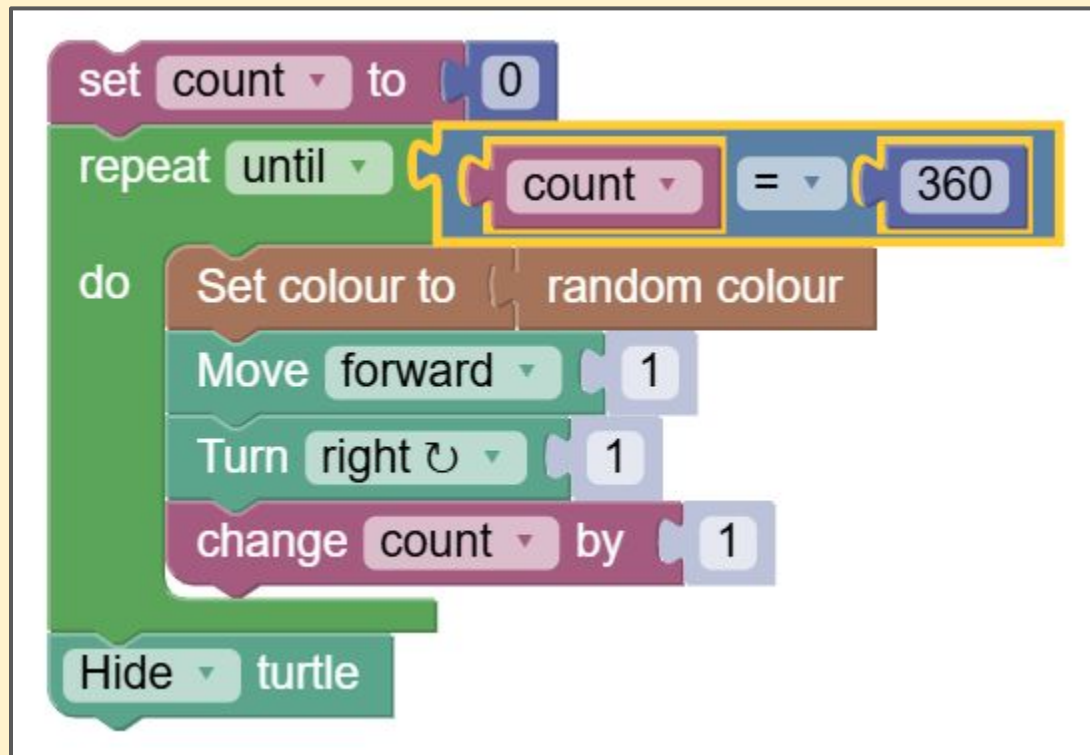
Repeat - While repeats all the time until something stops being true (count is less than 200)



Hint: speed the turtle up!

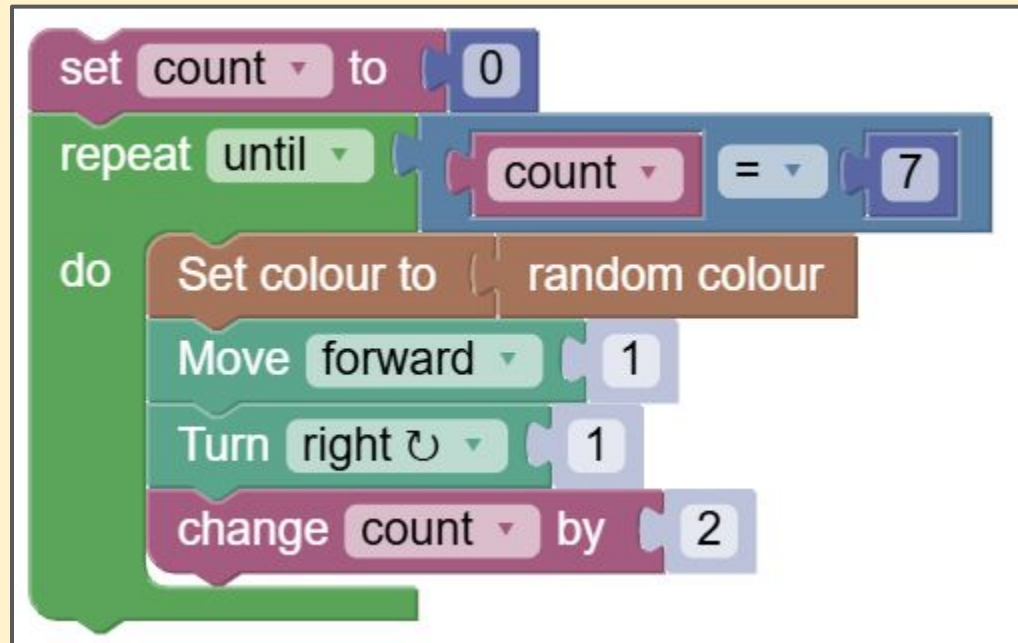
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Repeat - Until does something similar, but you set the value you want to end up as = to



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There is a problem with while and until loops: they can end up going on forever!



This loop will never stop because count can never be = 7 (it goes up by 2 each time)