the **while** statement

1 Initialisation

Before the while statement, we initialise the variable(s) in the condition

2 Condition

False

True

3 Loop body: statement(s)

The variable(s) in the condition must be modified in the body of the while. If the condition always holds true, we have an infinite loop
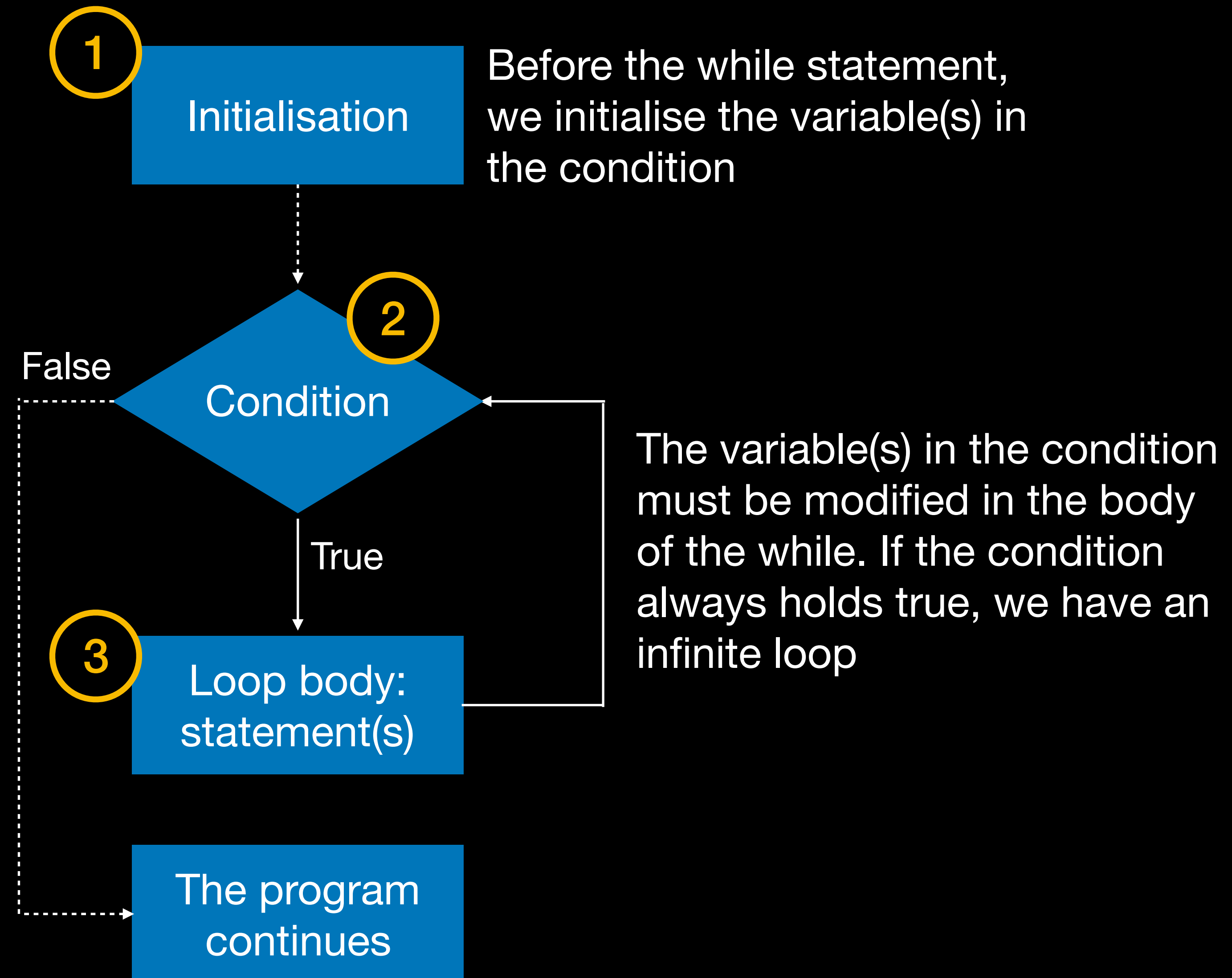
The program continues

uc3m

An exercise

- In pairs, think about how you would code a program that writes the first power (or exponent) of 3 which result is a number greater than 100.