Control Flow

Now that we have comparisons, we can use them in code to have the program decide what to do next.

$x = 27$ ⟵ position of ball in meters

$V = 6$ ⟵ velocity of ball in meters/second

$t = 0$

while $t < 10$:

     $x = x + V * 1$ ⟵ new position of ball after moving with velocity V for 1 second

     $t = t + 1$

t, x

I hope you can see that we are already making a good start on learning enough of the rules of programming to do simulations. Congratulate yourself on getting to this point in one day!