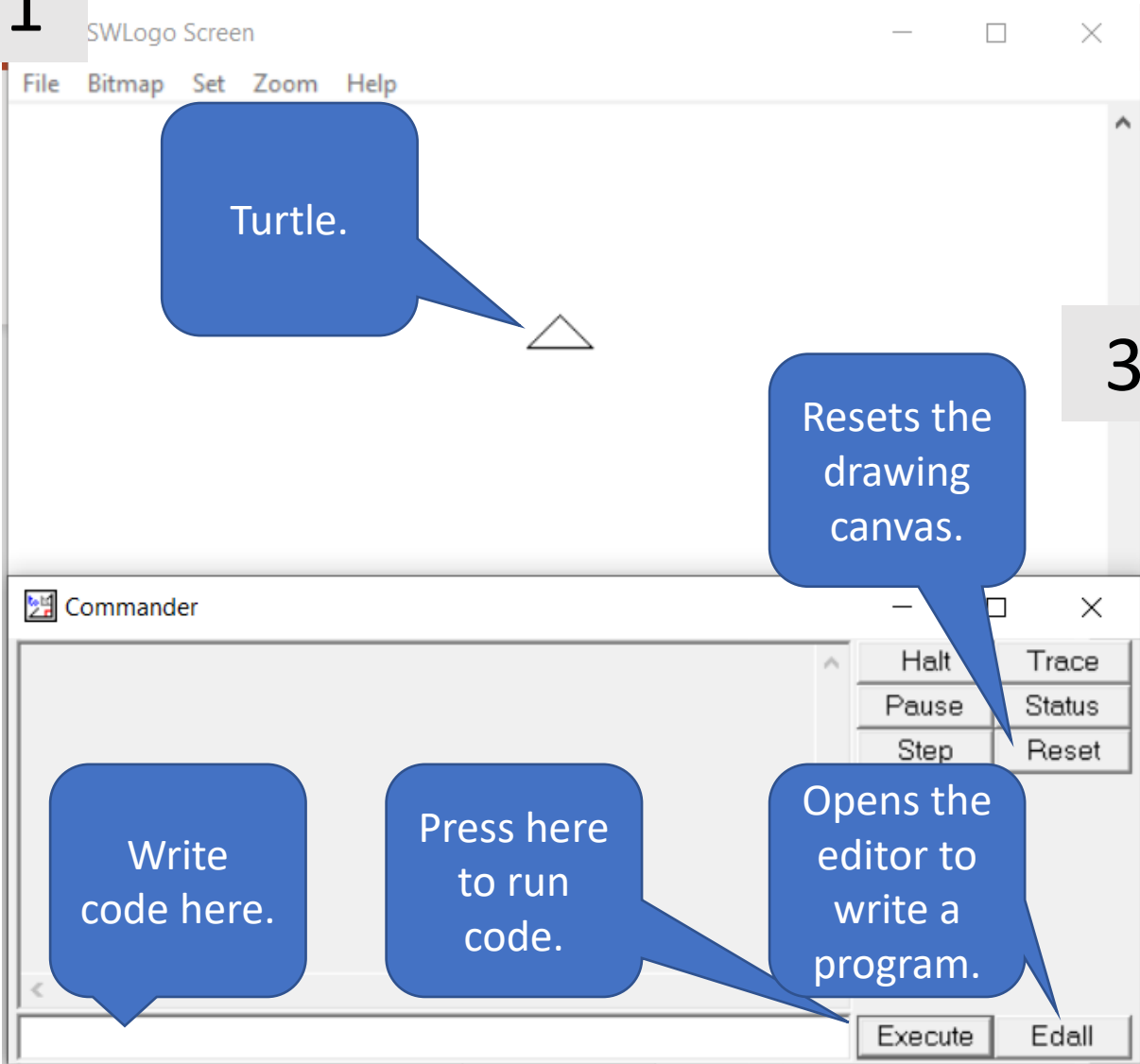


# MSW LOGO

## Knowledge organiser

<https://turtleacademy.com/playground>

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### BASIC LOGO COMMANDS (MUST BE ENTERED EXACTLY TO WORK)

<b>fd 100</b>	take 100 steps forward
<b>bk 50</b>	take 50 steps backwards
<b>cs</b>	delete all and start again
<b>rt 90</b>	rotate 90 degrees to the right
<b>lt 90</b>	rotate 90 degrees to the left
<b>repeat 4 [...]</b>	the program in [...] is four times repeated
<b>pu</b>	the turtle stops drawing, pen up.
<b>pd</b>	the turtle returns to drawing mode, pen down

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### ADVANCED COMMANDS

<b>setpc [n n n]</b>	changes the pen colour – use 255 codes on back to help choose a colour
<b>Setpensize [n n]</b>	Swap 'n' for a number to set pen thickness
<b>setfloodcolour [0,0,255]</b>	Sets the colour of the paint bucket ready to fill
<b>Fill</b>	Fills the space with the flood colour
<b>pe</b>	the turtle enters the eraser mode
<b>ppt</b>	the turtle returns to pen mode from eraser mode
<b>to NAME</b> <b>end</b>	creates a program with that can be run just by typing the name, NAME can be changed to anything.
<b>wait 5</b>	makes the turtle wait 5 units of time

# RGB COLOUR CODES FOR LOGO

Colour Index	Colour Name	[R G B]	Colour
0	black	[0 0 0]	
1	blue	[0 0 255]	
2	green	[0 255 0]	
3	cyan (light blue)	[0 255 255]	
4	red	[255 0 0]	
5	magenta (reddish purple)	[255 0 255]	
6	yellow	[255 255 0]	
7	white	[255 255 255]	
8	brown	[155 96 59]	
9	light brown	[197 136 18]	
10	dark green	[100 162 64]	
11	darkish blue	[120 187 187]	
12	tan	[255 149 119]	
13	plum (purplish)	[144 113 208]	
14	orange	[255 163 0]	
15	grey	[183 183 183]	

## Language for learning

Algorithm	Step by step instructions to solve a problem.
Program	Set of instructions written in a language for the computer
Execute	When the computer carries out or runs through the instructions it has been given.
Precision	Ensuring something is exact, computers need the instructions to be written in the correct way to run them we call this syntax
Syntax	The order things need to be written to work in a computer.
Efficient	Achieving the same result using fewer resources e.g. time or lines of code.