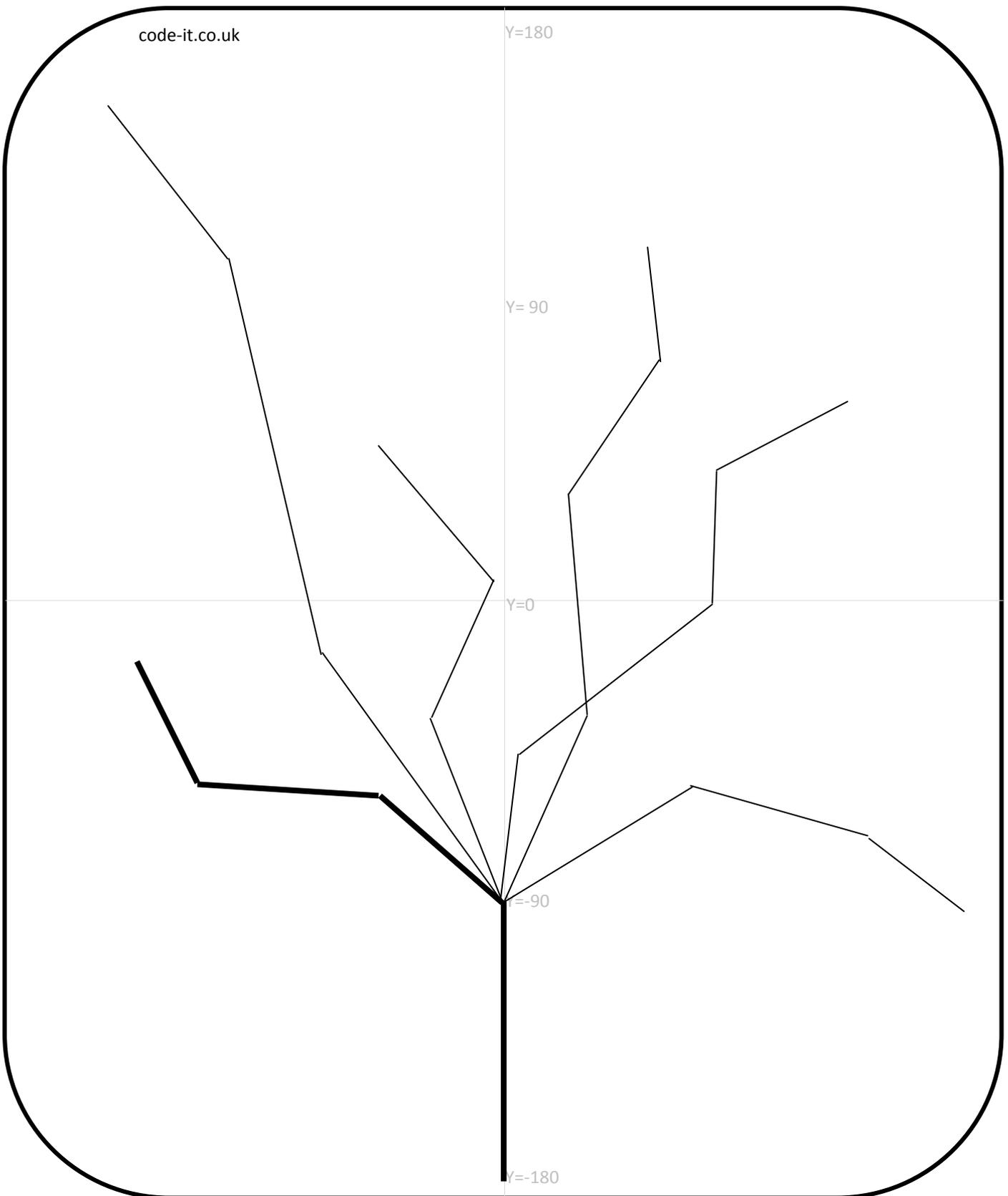


LO Write a program that will draw a tree that looks different every time

NAME

CLASS



Label the parts of the tree. Where on the Y axis does your trunk start? Where on the Y axis does your trunk finish? Where on the Y axis does the bold branch begin? What angle will you have to turn to start the branch?

TRUNK
BOLD BRANCH (one)

PENUP or PU	Takes pen up off screen stops drawing
PENDOWN or PD	Puts pen on screen starts drawing
CS or CLEARSCREEN	Clears screen and sends turtle home facing 0 degrees
SETPOS [0 100]	Sends turtle to these coordinates X axis 0 Y axis 100 see next sheet for more examples
SETHEADING 0	Sets heading direction turtle is facing to up see next sheet for

Use these instructions to code the trunk

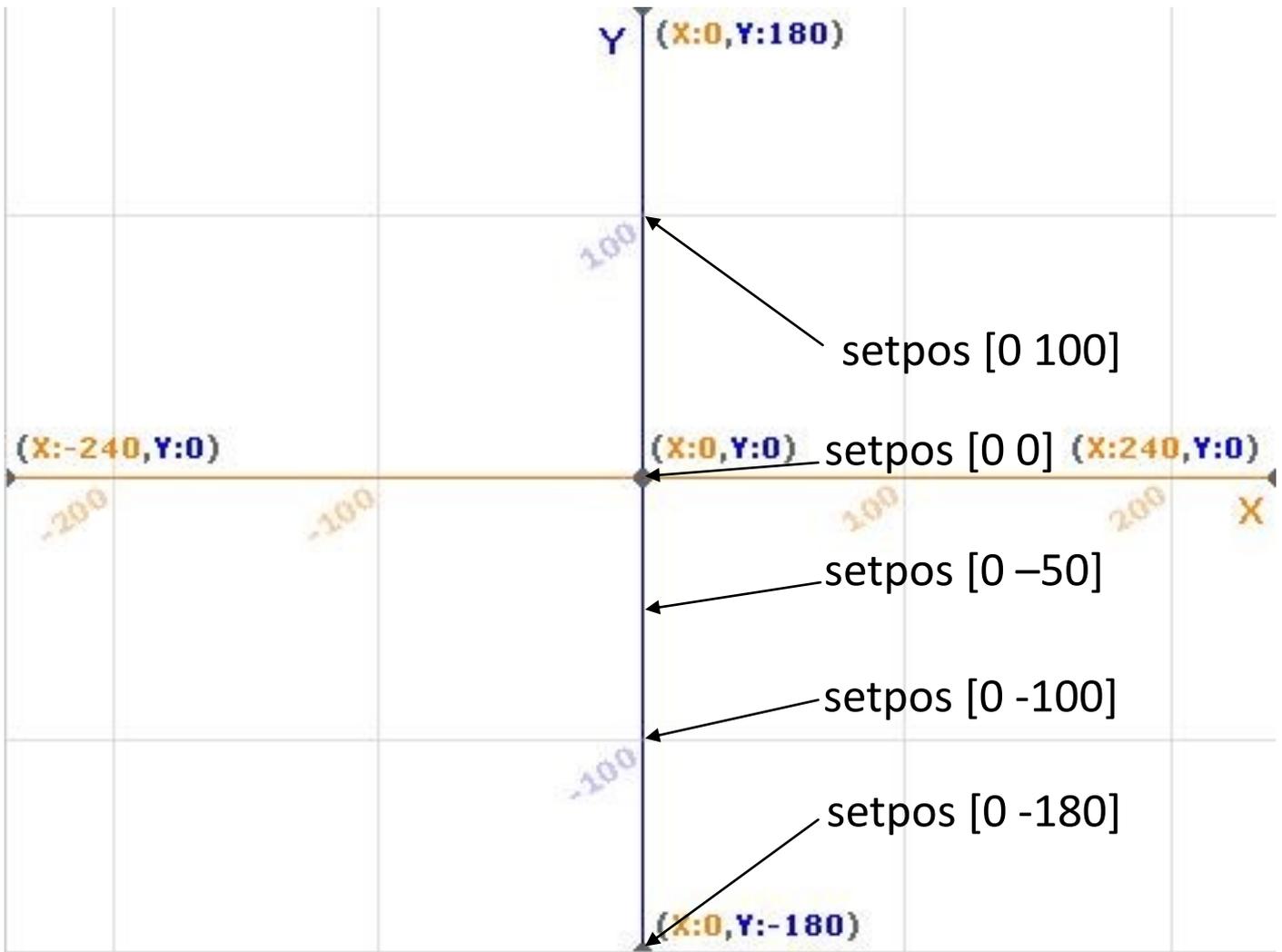
FORWARD 20 or FD 20	Forward 20
BACK 70 or BK 70	Back 70
RIGHT 90 or RT 90	Right 90 degrees
LEFT 45 or LT 45	Left 45 degrees
PENUP or PU	Takes pen up off screen stops drawing
PENDOWN or PD	Puts pen on screen starts drawing
CS or CLEARSCREEN	Clears screen and sends turtle home facing 0 degrees
SETHEADING 0	Sets heading direction turtle is facing to up see next sheet for

Use these instructions to code the bold branch

Decomposition

Decomposition is where you break a problem up into smaller parts and solve the parts separately.

You have already decomposed your tree into parts. Why not work on solving the easiest part first? Which part do you think might be easiest?



You can use the Y axis to help you get back to the tree trunk

