

Code explanation

1.trunk:

1.Delcare var – len with the initial value 100.

2.To fill color to the trunk use Stroke(255)-white color.

3.Set the place that the trunk u needed the middle of the output console is 200.

4.using line fun draw the trunk with the req height.

5.The -len represents the line is drawn from bottom to up so the height is initialy 0,and end at -len

6.To create slider -var slider; then match the angle with slider such as angle = slider.value;

7.The new 45degree angle branch is drawn by this code below:

if(len > 4){

push();

rotate(angle);

branch(len \* 0.67);

pop();

push();

rotate(-angle);

branch(len \* 0.67);

pop();

}

The push fun is used to draw a slide line

Drawn below:



And the pop fun is to return to the branch start



Output:

