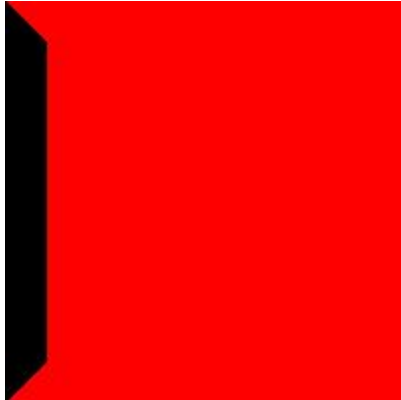


Practice Quiz: Thinking Critically about Your Program

Programming Exercise Guide

Before attempting this quiz you should write the following JavaScript program.

Write a program to draw a red square that is 200 pixels by 200 pixels with this black edge that is 20 pixels wide in the middle.



To get you started, you can create a black square with the following line of code:

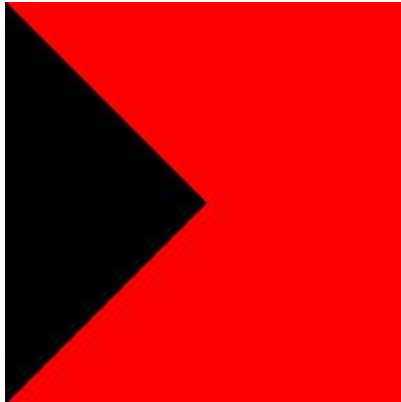
```
var image = new SimpleImage(200,200);
```

Now that you have a black square you need to think about what regions of the image you want to color red.

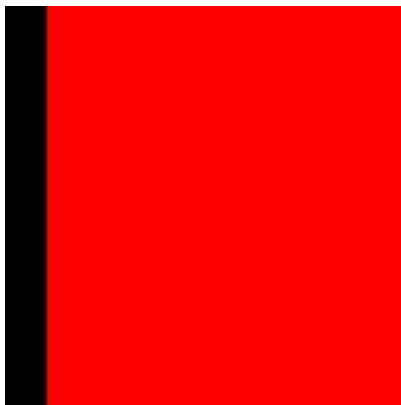
You might first consider how to color some of the pixels red to get this shape, a diagonal with half the pixels red.



Then consider how to color more of the pixels red to get this shape.



Now step back for a moment and consider that all the pixels are black. How would you color some of the red pixels to result in this image with a thick black edge of width 20 pixels?



How do you put these ideas together to generate the original image?