1 x == pixel.getX(); 1 var x = pixel.getX(); 1 x == pixel.getGreen(); A variable x has been initialized to have the value 2. What is the value of x after the following line of code has been executed? 1 x = x*3;
1 x == pixel.getGreen(); A variable x has been initialized to have the value 2. What is the value of x after the following line of code has been executed?
A variable x has been initialized to have the value 2. What is the value of x after the following line of code has been executed?
following line of code has been executed?
0
36
21
Consider the following code segment:
<pre>1 var x = 3; 2 print("x");</pre>
What is the output?
x is 3 3
x = 3
Which of the following lines of code includes a method call? Select all that apply. $1 \text{var } x = 3;$
1 x = "x";
1 print(image);
1 px.setRed(200);
<pre>1 var w = img.getWidth();</pre>
Consider the following code. What does a call to i1.getHeight() return?
<pre>1 var i1 = new SimpleImage(name); 2 var i2 = new SimpleImage(name2);</pre>
The height of image i2 The width of image i1
The width of image i2 The height of image i1
Consider the code you just wrote in the last programming exercise to modify Drew's picture shown on the left by making a red, green and blue vertical stripe as shown in the
image on the right.
Which two of the following code segments are the correct loop to make this modificatio to the image named image? The red stripe is made by changing the red of all the pixels
the left vertical third to 255, the green of all the pixels in the middle vertical to 255, and the the blue of all the pixels in the right vertical third to 255. 1 w = image.getWidth();
<pre>2 for (var pixel of image.values()) { 3</pre>
<pre>7</pre>
<pre>11</pre>
<pre>2 for (var pixel of image.values()) { 3</pre>
<pre>7</pre>
<pre>12 } 13 } 1 w = image.getWidth(); 2 for (var pixel of image.values()) {</pre>
<pre>3</pre>
<pre>7</pre>
<pre>12 } 13 } 1 w = image.getWidth(); 2 - for (var pixel of image.values()) {</pre>
<pre>3</pre>
<pre>1</pre>
<pre>12 } 13 } 1 w = image.getWidth(); 2 - for (var pixel of image.values()) {</pre>
<pre>1</pre>
<pre>8</pre>
<pre>13 } 1 w = image.getWidth(); 2 = for (var pixel of image.values()) {</pre>
<pre>3</pre>
<pre>8 pixel.setGreen(255); 9 } 10 else { 11 pixel.setBlue(255); 12 }</pre>
13 }
The function swapRedGreen has one parameter, a pixel. This function swaps the red an green values and returns the resulting red, green and blue values somehow. Which one of the following is the correct code for this function?
<pre>1 function swapRedGreen(pixel) { 2 var newGreen = pixel.getRed(); 3 var newRed = pixel.getGreen(); 4 var blue = pixel.getBlue();</pre>
<pre>pixel.setGreen(newGreen); return pixel; pixel.setRed(newRed); return pixel; pixel.setBlue(blue);</pre>
<pre>10 return pixel; 11 } 1 function swapRedGreen(pixel) { 2 var newGreen = pixel.getRed();</pre>
<pre>var newRed = pixel.getGreen(); pixel.setGreen(newGreen); pixel.setRed(newRed); return pixel.getRed(); return pixel.getGreen();</pre>
<pre>1 - function swapRedGreen(pixel) {</pre>
<pre>var newGreen = pixel.getRed(); var newRed = pixel.getGreen(); var blue = pixel.getBlue(); return newRed; return newGreen;</pre>
<pre>7 return blue; 8 } 1 - function swapRedGreen(pixel) {</pre>
<pre>var newGreen = pixel.getRed(); var newRed = pixel.getGreen(); pixel.setGreen(newGreen); pixel.setRed(newRed); return pixel;</pre>
7 }
Your friend is writing code to change the Duke blue devil to be yellow, as in the following example:



What could be the problem?

- They have forgotten to change the blue values to 0 for pixels that should be yellow.
- They have set the red and green values to 255 and the blue value to 0 for all pixels with a red value of 255.
- They have made all pixels with a blue value of greater than 220 yellow, forgetting that white pixels have blue values of 255.

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