## // MinTuts/Procedural Terrain.shader

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y = float3(1, 1, 1);
} else if (p < 0.05) {
   r = (-(p - 0.1));
   g = r;

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}
return float4(y * float3(r, g, b), 1);</pre>
```

The goal of this commit to create a small shoreline between the water and grass

To do that we first need to make sure our previous if didn't match

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If it is, we subtract 0.1 from **p** 

This will <u>result</u> in a <u>negative number</u> which grows <u>larger</u> as **p** <u>approaches 0</u>

We then <u>flip</u> the <u>sign</u> of our <u>resulting value</u>
The <u>result</u> of this <u>flip</u> is <u>larger positive numbers</u>
the <u>closer</u> **p** gets <u>to 0.01</u> - and <u>smaller positive</u>
<u>numbers</u> as **p** <u>approaches 0.05</u>

This gives us a <u>gradient</u> that goes in the <u>opposite direction</u> from the <u>grass gradient</u>: <u>light</u> to <u>dark</u> as **p** increases

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We assign the result of these calculations to the <u>red</u> channel (**r**)