// MinTuts/Procedural Terrain.shader

```
Shader "MinTuts/Procedural Terrain" {
SubShader {
  Pass {
    CGPROGRAM
     #pragma vertex
                       vert
     #pragma fragment frag
     #include "UnityCG.cginc"
     struct v2f {
        float4 pos : SV POSITION;
        float3 wpos : POSITION1;
      };
     v2f vert(float4 vertex : POSITION) {
        v2f o;
        o.pos = UnityObjectToClipPos(vertex);
        o.wpos = mul(unity_ObjectToWorld, vertex);
        return o;
      float4 frag(v2f i) : COLOR {
        float p = i.wpos.y * 0.015;
        float3 y = float3(p, p, p);
        return float4(y, 1);
    ENDCG
```

Here we are <u>defining</u> the **frag** function... <u>specified</u> by the **#pragma** definition from earlier

This function has a <u>single</u> <u>argument</u>... of the <u>type</u> **v2f**...

with a **semantic** filter of **COLOR**...

// MinTuts/Procedural Terrain.shader

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    ENDCG
```

Here we are <u>defining</u> the **frag** function... <u>specified</u> by the **#pragma** definition from <u>earlier</u>

This function has a <u>single</u> <u>argument</u>... of the <u>type</u> **v2f**... with a **semantic** filter of **COLOR**...

and returns a **float4** (representing the <u>4</u> color channels: red, green, blue, and alpha/transperancy)