

Initialize(PROJECT)

1. `git clone https://github.com/bsggbryan/MinTuts`
2. `cd MinTuts`
3. `git checkout Procedural-Terrain-0`
4. `git checkout 8e91d36 // first commit`

```
using UnityEngine;

using System.Collections;
using System.Collections.Generic;

public class ProceduralTerrain : MonoBehaviour {

    [Range(10, 1000)] public int TerrainSize;
    [Range( 5,  250)] public int CellSize;

    public void GenerateTerrain() {
        int x_segments = TerrainSize / CellSize;
        int z_segments = TerrainSize / CellSize;

        for (int x = 0; x < x_segments; x++) {
            for (int z = 0; z < z_segments; z++) {
                // Build up our terrain mesh
            }
        }
    }

    private float GetHeight(float x, float z, int x_segments, int z_segments) {
        return Mathf.PerlinNoise(x / (float) x_segments, z / (float) z_segments);
    }
}
```