

Assignment 4.B

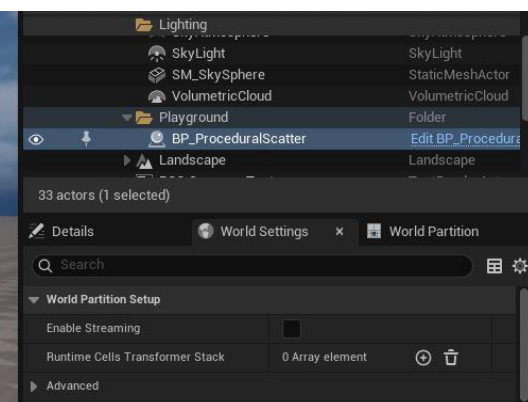
Part 2.1 ~ Blueprint Random Spawning.

Blue Print Random Spawner

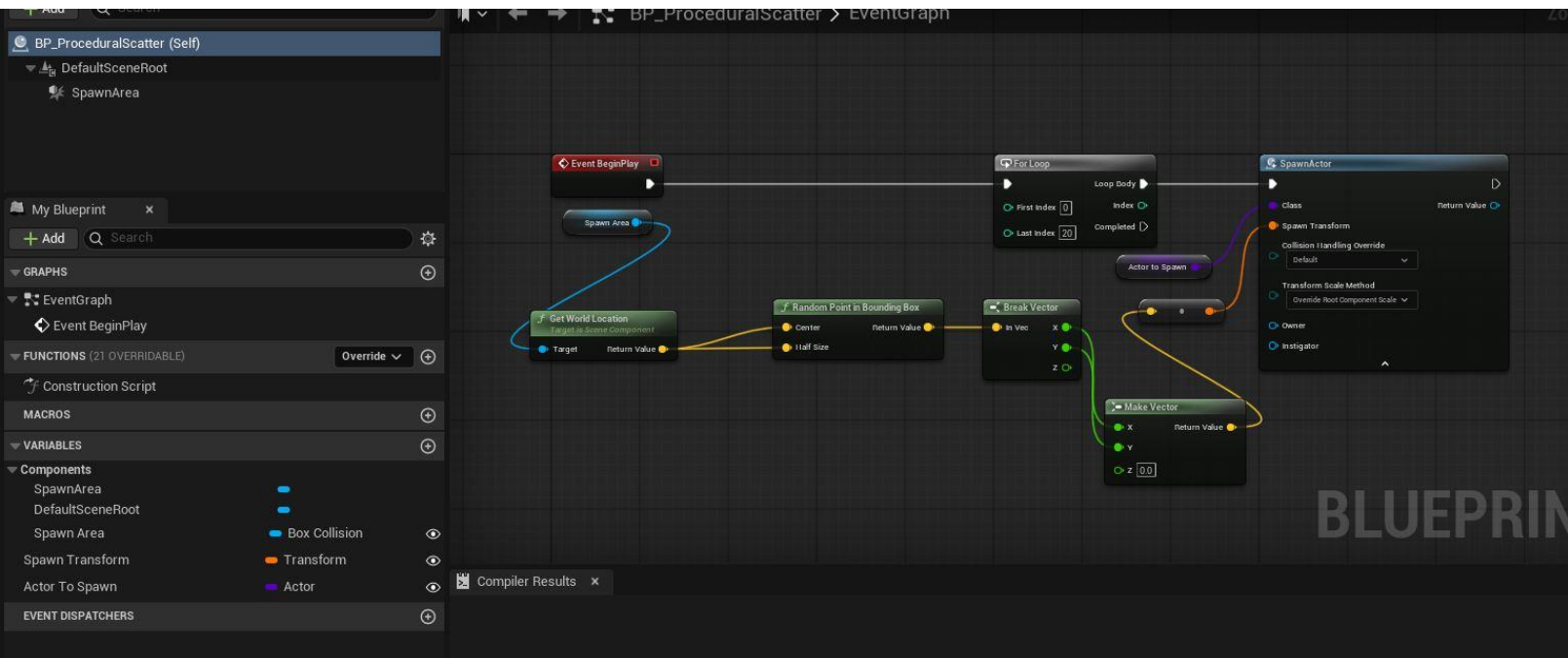


Part 2.2

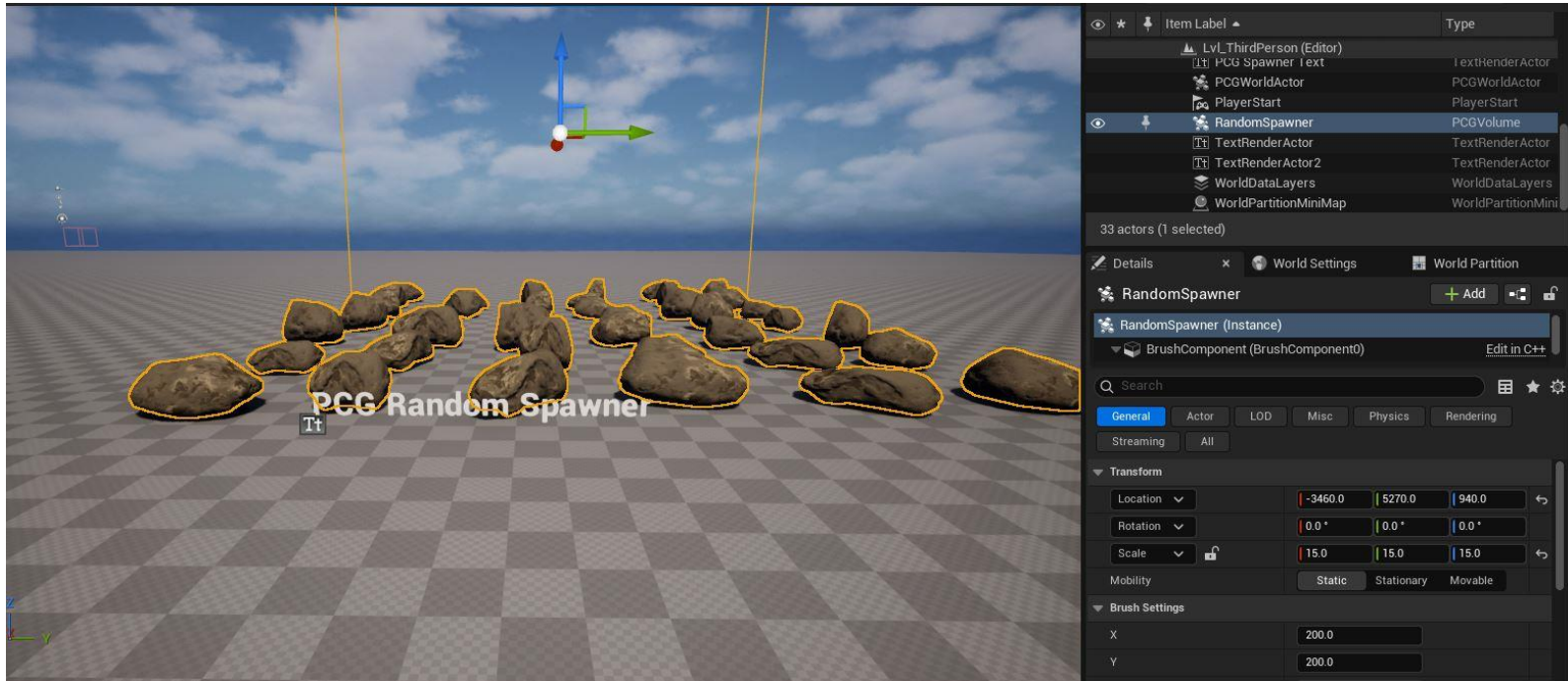
Blue Print Random Spawner



Part 2.3 ~ Blueprint Code



Part 4.1 ~ PCG Random Spawning



Part 4.2 ~ PCG Code

The screenshot displays the Houdini PCG (Procedural Content Generation) Graph interface. The main workspace shows a graph with the following nodes: **Input** (red), **Output** (red), **Get Landscape Data** (purple), **Surface Sampler** (green), **Transform Points** (blue), and **Static Mesh Spawner** (teal). The graph is connected as follows: **Input** connects to **Output**. **Get Landscape Data** connects to **Surface Sampler**. **Surface Sampler** connects to **Transform Points**. **Transform Points** connects to **Static Mesh Spawner**. The **Static Mesh Spawner** node has a yellow dot on its output, indicating it is the active node.

The left sidebar shows the **Data Viewport** with a perspective view of a 3D scene. The **Details** panel on the right shows the **Asset Info** and **Settings** for the selected node. The **Settings** panel includes options for **Use Hierarchical Generation**, **HiGen Default Grid Size** (25600), **HiGen Grid Size Exponential** (0), and **2D Grid** (checked).

The bottom panel shows the **Attributes** table for the **Static Mesh Spawner** node. The table has 14 columns: **\$Index**, **\$Position.X**, **\$Position.Y**, **\$Position.Z**, **\$Rotation.Roll**, **\$Rotation.Pitch**, **\$Rotation.Yaw**, **\$Scale.X**, **\$Scale.Y**, **\$Scale.Z**, **\$BoundsMin.X**, **\$BoundsMin.Y**, **\$BoundsMin.Z**, and **\$BoundsMax.X**. The table contains 9 rows of data.

\$Index	\$Position.X	\$Position.Y	\$Position.Z	\$Rotation.Roll	\$Rotation.Pitch	\$Rotation.Yaw	\$Scale.X	\$Scale.Y	\$Scale.Z	\$BoundsMin.X	\$BoundsMin.Y	\$BoundsMin.Z	\$BoundsMax.X
0	-4.768.219	4.260.417	3.135	-0.178	1.03	4.24	1.778	1.755	1.375	-72.483	-92.074	-1.151	59.99
1	-4.298.579	4.281.325	2.399	0.885	0.352	172.449	1.979	1.336	1.026	-72.483	-92.074	-1.151	59.99
2	-3.786.011	4.178.21	3.509	0.387	0.639	-78.837	1.927	1.061	1.955	-72.483	-92.074	-1.151	59.99
3	-3.354.474	4.278.045	2.219	0.414	0.491	-75.772	1.339	1.724	1.883	-72.483	-92.074	-1.151	59.99
4	-2.911.191	4.265.627	4.64	0.972	0.835	65.001	1.535	1.951	1.591	-72.483	-92.074	-1.151	59.99
5	-2.482.408	4.189.882	3.202	0.898	1.085	96.778	1.77	1.563	1.662	-72.483	-92.074	-1.151	59.99
6	-2.004.51	4.176.883	4.63	0.72	-0.148	-120.289	1.97	1.727	1.443	-72.483	-92.074	-1.151	59.99
7	-4.725.76	4.643.925	3.373	0.638	0.174	172.56	1.817	1.177	1.549	-72.483	-92.074	-1.151	59.99
8	-4.229.088	4.662.918	2.377	1.115	0.941	104.846	1.478	1.933	1.233	-72.483	-92.074	-1.151	59.99