

```
mycubescriptics A sketchics
Sketch - Start ()
    1 using System.Collections;
2 using System.Collections.Generic;
3 using UnityEngine;
    5 public class Sketch : MonoBehaviour {
         public GameObject myPrefab;
         void Start () {
             int totalCubes = 30;
  13
14
15
16
17
            float totalDistance = 2.9f;
            for ( int i = 0; i < totalCubes; i++)</pre>
                 float perc = i / (float)totalCubes;
float sin = Mathf.Sin(perc * Mathf.PI/2);
                float x = 1.8f + sin * totalDistance;
float y = 5.0f;
float z = 0.0f;
  20
21
22
23
24
25
26
27
                 var newCube = (GameObject)Instantiate(myPrefab, new Vector3(x, y, z), Quaternion.identity);
                 \label{lem:newCube.GetComponent<myCubeScript>().SetSize(.45f * (1.0f - perc)); \\ newCube.GetComponent<myCubeScript>().rotateSpeed = .2f + perc * 4.0f; \\ \end{aligned}
  28
29
30
31
32
33
34
35 }
         void Update () {
         }
 3 using UnityEngine;
 5 public class myCubeScript : MonoBehaviour {
 6
         public float rotateSpeed = 1.0f;
         public Vector3 spinSpeed = Vector3.zero;
 8
 9
         public Vector3 spinAxis = new Vector3 (0, 1, 0);
LO
L1
         void Start () {
               spinSpeed = new Vector3(Random.value, Random.value, Random.value);
12
L3
               spinAxis = Vector3.up;
               spinAxis.x = (Random.value - Random.value) * .1f;
14
L5
16
L7
         public void SetSize(float size)
18
19
               this.transform.localScale = new Vector3(size, size, size);
20
21
         void Update () {
22
23
               this.transform.Rotate(spinSpeed);
               this.transform.RotateAround (Vector3.zero, spinAxis, rotateSpeed);
14
25
         }
26 }
27
```





