```
using System.Collections;
using System.Collections.Generic;
using UnityEngine;
public class GameManager : MonoBehaviour
    public int currentGameLevel = 1; // Set the starting game level
   public GameObject asteroidPrefab; // Reference to the asteroid prefab
    void Start()
        // Set the camera's position
        Camera.main.transform.position = new Vector3(0f, 30f, 0f);
        Camera.main.transform.LookAt(new Vector3(0f, 0f, 0f), Vector3.up);
        // Call the method to start a new level
        StartNewLevel();
   }
    // Method to start a new game level
   void StartNewLevel()
        // Calculate the number of asteroids based on the current game level
        int numAsteroids = currentGameLevel * 3;
        for (int i = 0; i < numAsteroids; i++)</pre>
            // Generate a random spawn position within the screen boundaries
            Vector3 spawnPosition = new Vector3(Random.Range(-15f, 15f), 0f,
Random.Range(-15f, 15f);
            // Ensure the Y position is at ground level (0)
            spawnPosition.y = 0f;
            // Add a buffer to the Z position to prevent immediate wrap-around
            spawnPosition.z += 2f;
            // Instantiate asteroid
            Instantiate(asteroidPrefab, spawnPosition, Quaternion.identity);
       }
   }
```

```
using System.Collections;
using System.Collections.Generic;
using UnityEngine;

public class Asteroid : MonoBehaviour
{
    Rigidbody rb;
    public float moveSpeed = 5f;

    void Start()
    {
        rb = GetComponent<Rigidbody>();

        // Calculate a random direction vector on the XZ plane
        Vector3 randomDirection = Random.onUnitSphere;
        randomDirection.y = 0f;
```

```
// Set the initial velocity based on your moveSpeed
         rb.velocity = randomDirection * moveSpeed;
         // Generate random torque (angular velocity)
         Vector3 randomTorque = new Vector3(
             Random.Range(5f, 15f),
             Random.Range(5f, 15f),
Random.Range(5f, 15f)
         InvokeRepeating("CheckScreenEdges", 0f, 0.2f);
    }
    void CheckScreenEdges()
         Debug.Log("Current position: " + transform.position);
         // Check if the asteroid has left the screen
if (Mathf.Abs(transform.position.x) > 25f ||
Mathf.Abs(transform.position.z) > 20f)
             // Wrap around to the opposite side
             transform.position = new Vector3(-transform.position.x, 0, -
transform.position.z);
    }
```