[B-1] Move a ball

Objective

Understand and effectively use Unity's 3D coordinate system by creating a simple 3D maze.

Challenge Statement

- 1. Scripting Movement:
 - a. Edit the "Move" script to move the object using vector operations.
 - b. The script should allow the object to move in different directions based on user input (e.g., arrow keys or WASD keys).
 - c. Use the z-axis for forward and backward movement. Use the x-axis for side movements.

Answer key next page!

```
Answer Key
using UnityEngine;
public class ObjectMovement : MonoBehaviour
  public float speed = 5.0f;
  void Update()
     float moveHorizontal = Input.GetAxis("Horizontal");
     float moveVertical = Input.GetAxis("Vertical");
     Vector3 movement = new Vector3(moveHorizontal, 0.0f, moveVertical);
     Vector3 newPosition = transform.position + movement * speed * Time.deltaTime;
     // Ensure the new position is within boundaries
     newPosition.x = Mathf.Clamp(newPosition.x, -10f, 10f);
     newPosition.z = Mathf.Clamp(newPosition.z, -10f, 10f);
     transform.position = newPosition;
}
Starter Code
using UnityEngine;
public class ObjectMovement : MonoBehaviour
  public float speed; // Speed of the object
```

void Update()

// Movement logic to be implemented