



















This screenshot shows the Visual Studio IDE with the `PlayerController.cs` script open. The script is part of the `Assembly-CSharp` project. The `Update()` method contains logic for moving a player based on horizontal and vertical input axes. It uses `Vector3` to set position limits and `Transform.Translate` for movement. A cookie is instantiated at the player's position.

```
15 void Update()
16 {
17     float hor = Input.GetAxis("Horizontal");
18     float ver = Input.GetAxis("Vertical");
19
20     if (transform.position.x > 23){
21         transform.position = new Vector3(
22             23, //x
23             transform.position.y, //y
24             transform.position.z); //z
25     }
26
27     if (transform.position.x < -40){
28         transform.position = new Vector3(
29             -40, //x
30             transform.position.y, //y
31             transform.position.z); //z
32     }
33
34     Instantiate(cookie, transform.position, cookie.transform.rotation);
35
36     transform.Translate(Vector3.right * Time.deltaTime * 10 * hor);
37     transform.Translate(Vector3.left * Time.deltaTime * 10 * ver);
38
39 }
40
41
42
```

This screenshot shows the same Visual Studio IDE with the `PlayerController.cs` script. The `Update()` method has been modified to include a space key trigger for instantiating a cookie. The movement logic remains the same.

```
14 // Update is called once per frame
15 void Update()
16 {
17     float hor = Input.GetAxis("Horizontal");
18
19     if (transform.position.x > 23){
20         transform.position = new Vector3(
21             23, //x
22             transform.position.y, //y
23             transform.position.z); //z
24     }
25
26     if (transform.position.x < -40){
27         transform.position = new Vector3(
28             -40, //x
29             transform.position.y, //y
30             transform.position.z); //z
31     }
32
33     if (Input.GetKeyDown(KeyCode.Space))
34     {
35         Instantiate(cookie, transform.position, cookie.transform.rotation);
36     }
37
38     transform.Translate(Vector3.right * Time.deltaTime * 10 * hor);
39
40 }
41
42
```





