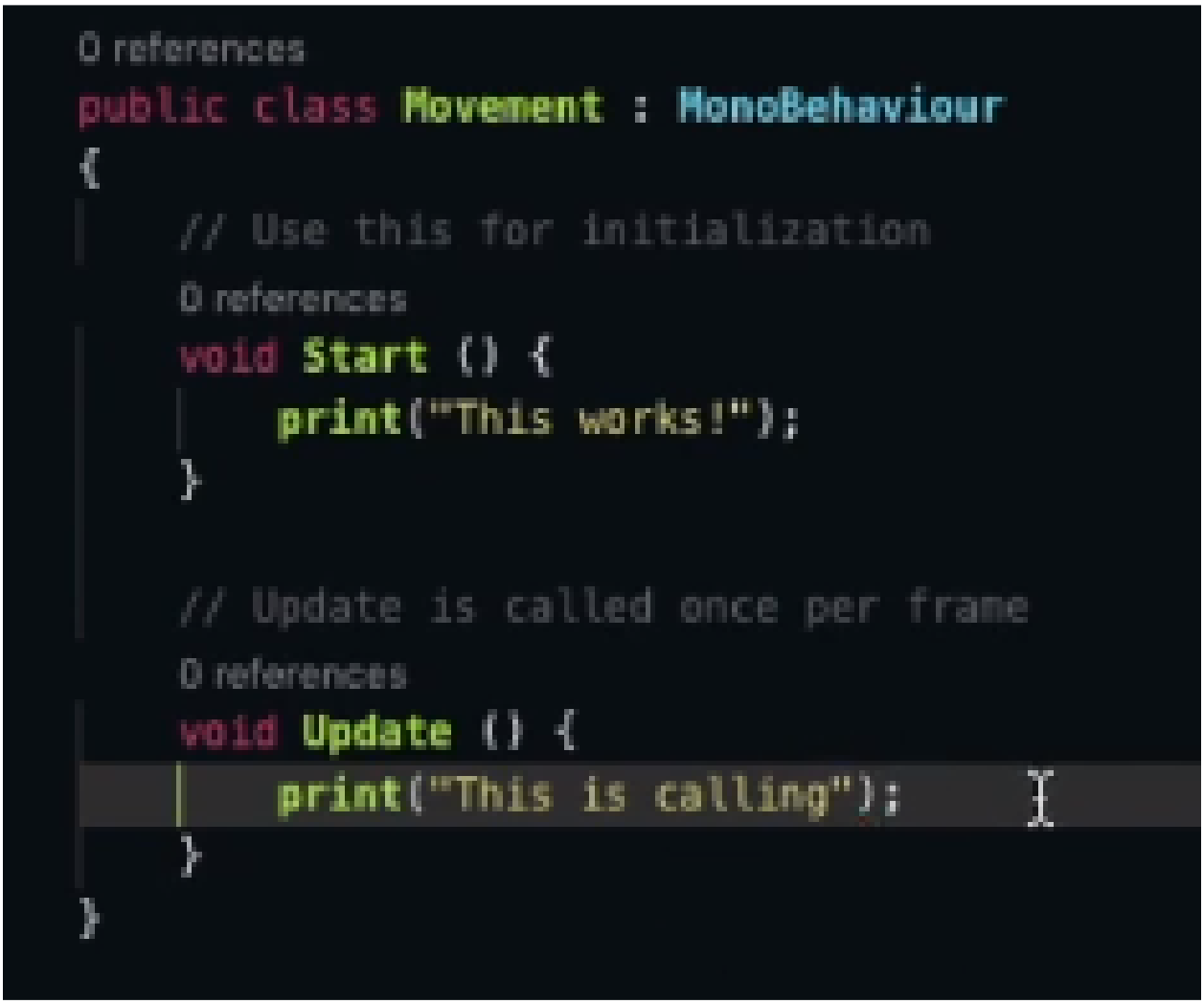
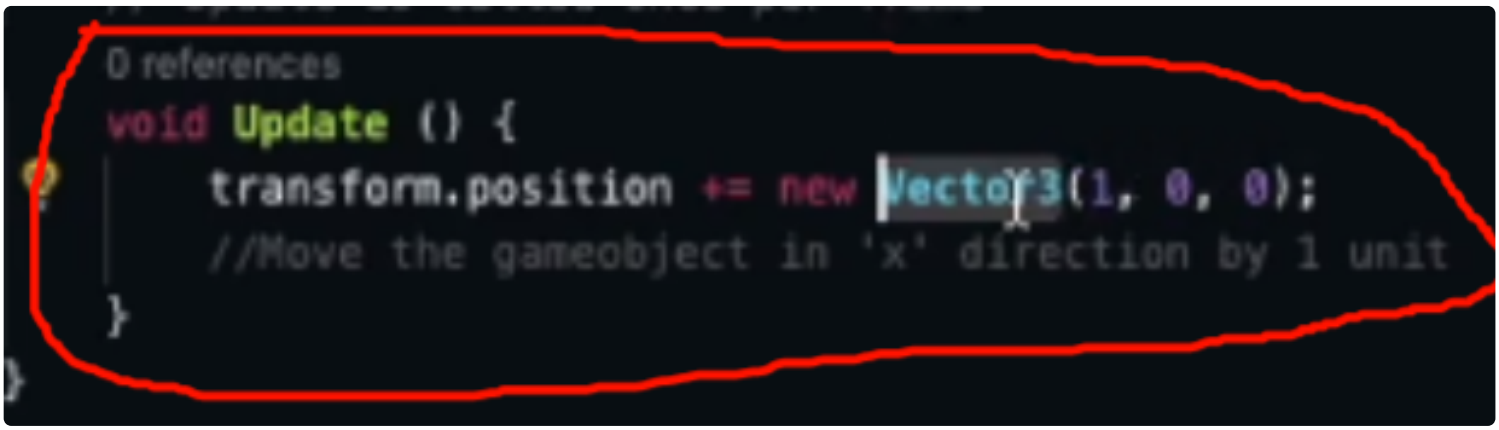
```
    0 references
    void Update () {

    }
}
```

Update method gives you the FPS of the game. game screen refreshes each time update method called.



```
0 references
public class Movement : MonoBehaviour
{
    // Use this for initialization
    0 references
    void Start () {
        print("This works!");
    }

    // Update is called once per frame
    0 references
    void Update () {
        print("This is calling");
    }
}
```

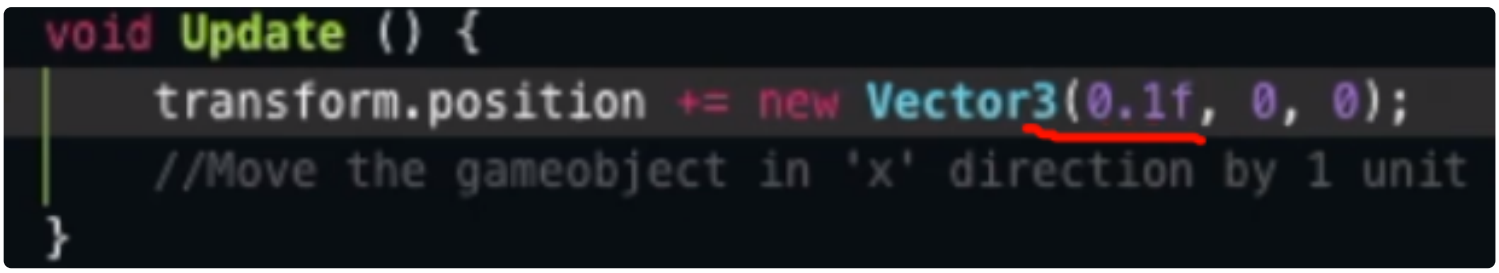
Movement Code:



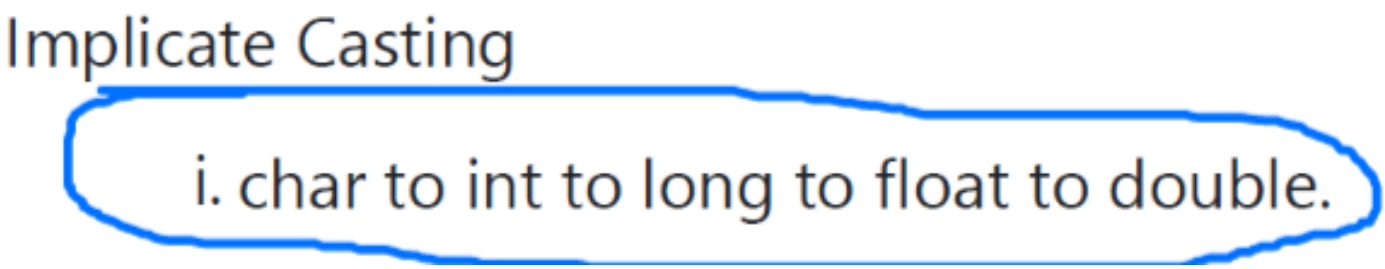
transform.position += new Vector3(1,0,0); (**Below is written in more detailed form**)

transform.position = current position + new Vector3(1,0,0);

Since it is in update method then this will be called once per frame causing the object to move infinitely in certain direction.



keeping in mind the data type. Implicite casting comes into play when coverting int to float.

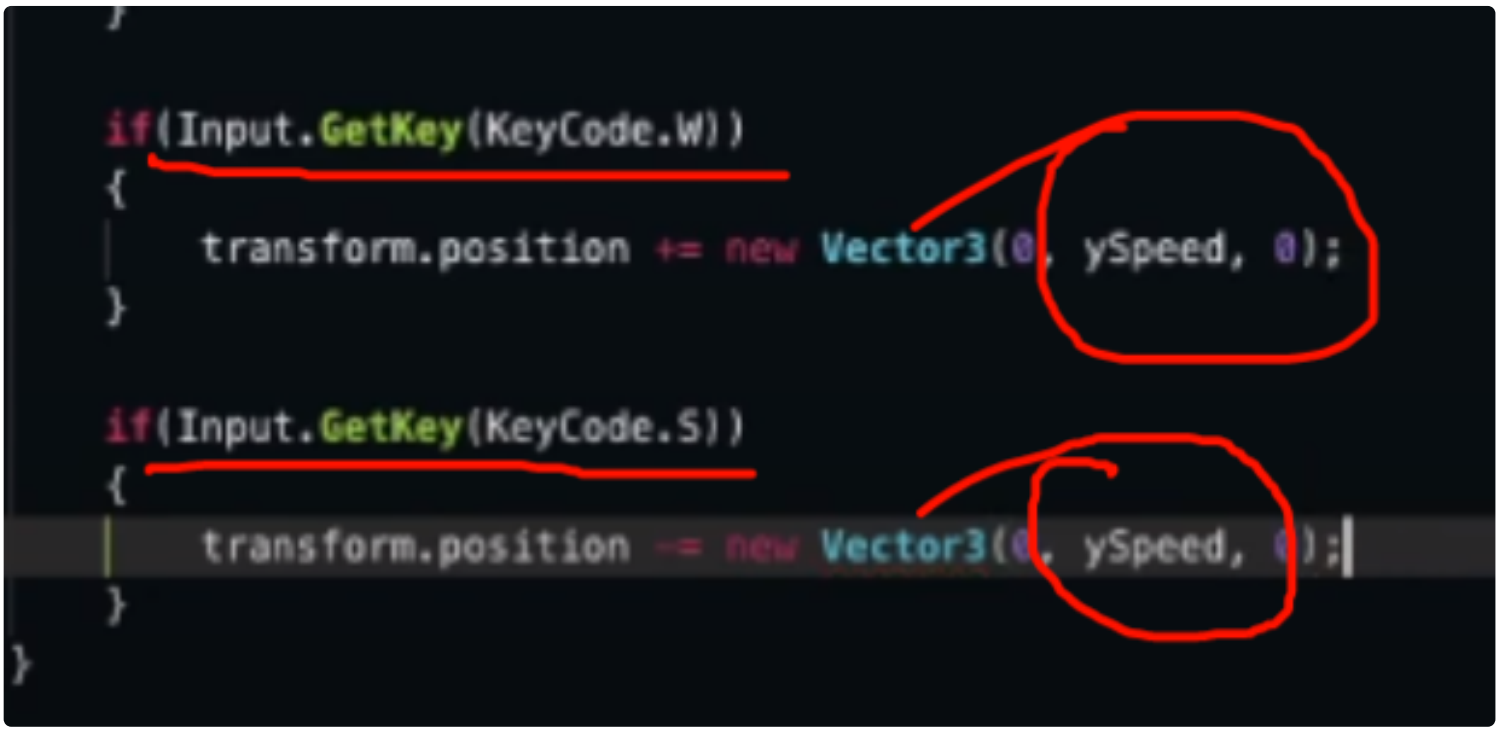


```
0 references
void Update () {
    //Write it as is
    if(Input.GetKey(KeyCode.D))
    {
        transform.position += new Vector3(xSpeed, 0, 0);
    }

    if(Input.GetKey(KeyCode.A))
    {
        transform.position -= new Vector3(xSpeed, 0, 0);
    }
}
```

IF Statement for moving as per player button (Follow Syntax)

Declaring Variable outside the pre-defined methods.

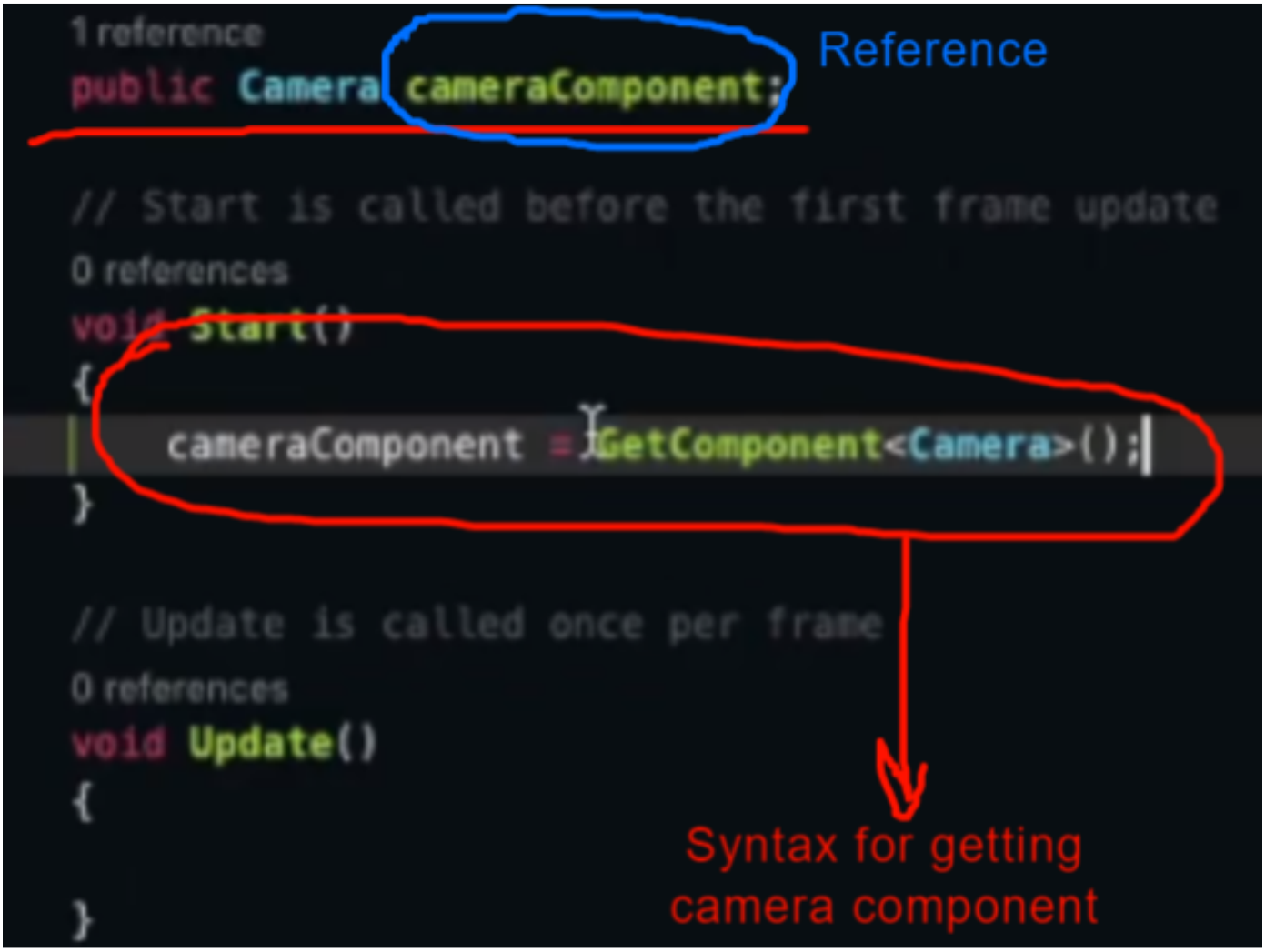
```
public float xSpeed = 0.1f;
// Use this for initialization
0 references
void Start () {

}
```



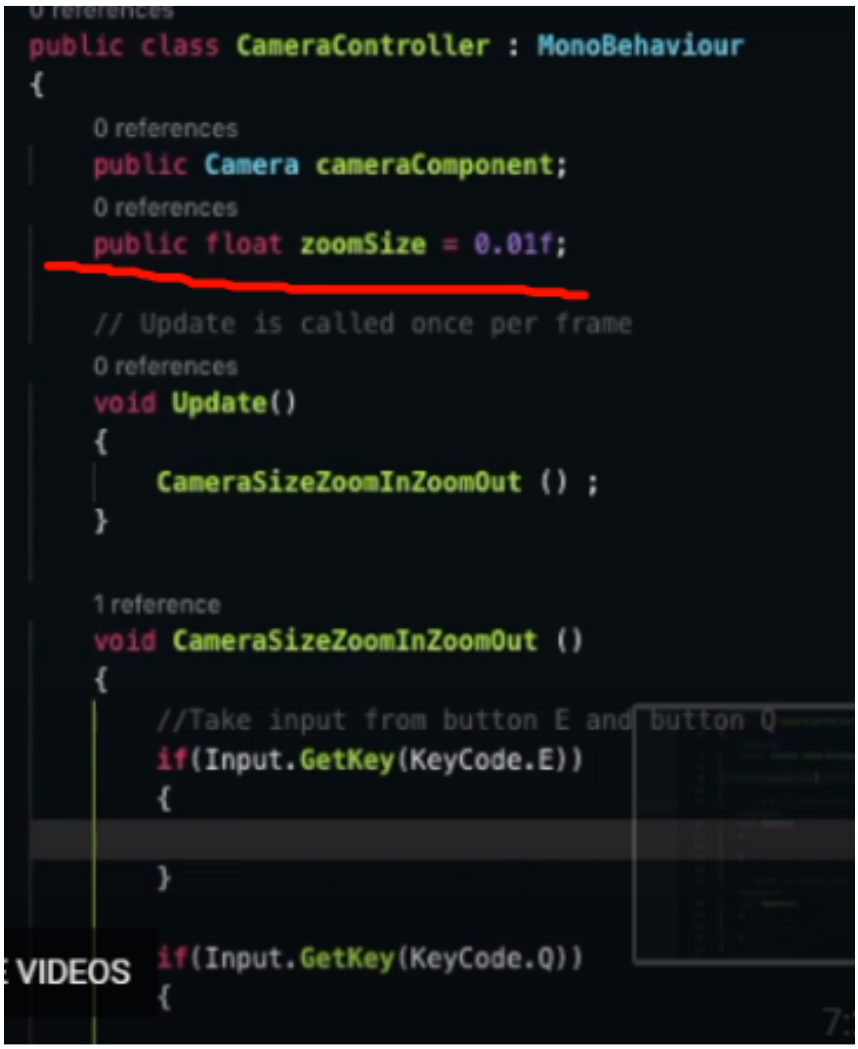
Taking inputs from keyboard.

Camera Controller :-

reference value will help us to access all the attributes of a class named as Camera.



cameraComponent reference/variable created as public.




```
void CameraSizeZoomInZoomOut ()
{
    //Take input from button E and button Q
    if(Input.GetKey(KeyCode.E))
    {
        cameraComponent.orthographicSize += zoomSize;
    }
    if(Input.GetKey(KeyCode.Q))
    {
        cameraComponent.orthographicSize -= zoomSize;
    }
}
```

Reference of a class

Attribute of Main Camera

```
void CameraSizeZoomInZoomOut ()
{
    //Take input from button E and button Q
    if(Input.GetKey(KeyCode.E))
    {
        if(cameraComponent.orthographicSize < 10)
            cameraComponent.orthographicSize += zoomSize;
    }

    if(Input.GetKey(KeyCode.Q))
    {
        cameraComponent.orthographicSize -= zoomSize;
    }
}
```

Setting Limit

Another way of doing above thing as shown below

```
//Take input from button E and button Q
if(Input.GetKey(KeyCode.E) && (cameraComponent.orthographicSize < 10))
{
    cameraComponent.orthographicSize += zoomSize;
}

if(Input.GetKey(KeyCode.Q) && (cameraComponent.orthographicSize > 1))
{
    if(cameraComponent.orthographicSize > 1)
        cameraComponent.orthographicSize -= zoomSize;
}
```