

文件: c:\Users\Administrator\mathpractice\client\Assets\Scripts\cameractrl.cs

```
using System.Collections;

using System.Collections.Generic;

using UnityEngine;

public class cameractrl : MonoBehaviour

{

    public float distance = 3;


    private float currentX = 0.0f; // 当前水平旋转角度
    private float currentY = 0.0f; // 当前垂直旋转角度

    // Start is called before the first frame update

    void Start()

    {

        // 初始化旋转角度

        Vector3 angles = transform.eulerAngles;

        currentX = angles.y;

        currentY = angles.x;

    }


    // Update is called once per frame

    void Update()

    {

        Vector3 direction = new Vector3(0, 0, -distance);
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\cameractrl.cs

```
Quaternion rotation = Quaternion.Euler(currentY, currentX, 0);
```

```
// ■■■■■■■■■■
```

```
Vector3 targetPosition = new Vector3(0, 0, 0); // target.position + Vector3.up * height;
```

```
Vector3 cameraPosition = targetPosition + rotation * direction;
```

```
// ■■■■■■■■■■
```

```
transform.position = cameraPosition;
```

```
transform.LookAt(targetPosition);
```

```
}
```

```
}
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\DispMsg.cs

```
using System.Collections;

using System.Collections.Generic;

using UnityEngine;

using UnityEngine.UI;

public class DispMsg : MonoBehaviour

{

    public string msg = "event_";

    // Start is called before the first frame update

    void Start()

    {

        GetComponent<Button>().onClick.AddListener(() =>

        {

            Main.DispEvent(msg);

        });

    }

    // Update is called once per frame

    void Update()

    {

    }

}
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\extends.cs

```
using System.Collections;
```

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

```
using UnityEngine;
```

```
public static class extends
```

```
{
```

```
// Start is called before the first frame update
```

```
public static void Clear(this Transform trans)
```

```
{
```

```
while (trans.childCount > 0)
```

```
{
```

```
var c = trans.GetChild(0);
```

```
c.transform.SetParent(null);
```

```
if (Application.isPlaying)
```

```
{
```

```
GameObject.Destroy(c.gameObject);
```

```
}
```

```
else
```

```
{
```

```
GameObject.DestroyImmediate(c.gameObject);
```

```
}
```

```
}
```

```
}
```

```
public static T GetOrAddComponent<T>(this GameObject go) where T : Component
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\extends.cs

```
{  
var c = go.GetComponent<T>();  
if (c == null)  
{  
c = go.AddComponent<T>();  
}  
return c;  
}  
  
public static string ReplaceAll(this string str,string p1,string p2)  
{  
string ret = str.Replace(p1, p2);  
while (ret.IndexOf(p1) > -1)  
{  
ret = ret.Replace(p1, p2);  
}  
return ret;  
}  
}
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frmbase.cs

```
using System;
```

```
using System.Collections;
```

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

```
using UnityEngine;
```

```
public class frmbase : MonoBehaviour
```

```
{
```

```
// Start is called before the first frame update
```

```
private void Awake()
```

```
{
```

```
}
```

```
void Start()
```

```
{
```

```
}
```

```
// Update is called once per frame
```

```
void Update()
```

```
{
```

```
}
```

```
Transform gb
```

```
{
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frmbase.cs

get

{

return transform.Find("gb");

}

}

public void show()

{

gb.gameObject.SetActive(true);

OnShow();

}

protected virtual void OnShow()

{

}

protected virtual void OnHide()

{

}

public void hide()

{

gb.gameObject.SetActive(false);

OnHide();

}

}

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\levelmgr.cs

■using System;

using System.Collections;

using System.Collections.Generic;

using UnityEngine;

public class levelmgr : MonoBehaviour

{

public static int level {

get

{

return PlayerPrefs.GetInt("level", 1);

}

set

{

PlayerPrefs.SetInt("level", value);

}

}

internal static void init()

{

level = 1;

}

/\*\*

\* ■■■■■■



■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\levelmgr.cs

\* @param level ■■

\* @return ■■

\* ■■■■■1■■100■

\*

\*/

internal static float getTimeAll(int level)

{

float t = level / (float)realmaxlevel;

return Mathf.Lerp(30, 100, t);

}

/\*\*

\* ■■■■■■■■

\* \*/

internal static int getMin(int level)

{

return level;

}

static int maxlevel = 50;

public static int maxcount = 30;

public static int realmaxlevel

{

get

{

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\levelmgr.cs

```
return maxlevel-maxcount;
```

```
}
```

```
}
```

```
/**
```

```
* ■■■■■■
```

```
* */
```

```
internal static int getCount(int level)
```

```
{
```

```
float t= level /(float)maxlevel;
```

```
return (int)Mathf.Lerp(15,realmaxlevel,t);
```

```
}
```

```
internal static int getWid(int level_playing)
```

```
{
```

```
float t = level_playing / (float)(realmaxlevel);
```

```
if (t < 0.2f)
```

```
{
```

```
return 4;
```

```
}
```

```
else if (t < 0.6f)
```

```
{
```

```
return 6;
```

```
}
```

```
else
```

```
{
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\levelMgr.cs

```
return 8;
```

```
}
```

```
}
```

```
internal static int getHei(int level_playing)
```

```
{
```

```
float t = level_playing / (float)realmaxlevel;
```

```
if (t < 0.2f)
```

```
{
```

```
return 8;
```

```
}
```

```
else if (t < 0.6f)
```

```
{
```

```
return 10;
```

```
}
```

```
else
```

```
{
```

```
return 12;
```

```
}
```

```
}
```

```
internal static float getSource(int level_playing)
```

```
{
```

```
float t = level_playing / (float)realmaxlevel;
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\levelMgr.cs

```
return Mathf.Lerp(1000, 10000000, t);
```

```
}
```

```
}
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\Main.cs

■using System;

using System.Collections;

using System.Collections.Generic;

using UnityEngine;

public class Main : MonoBehaviour

{

public delegate object registfun(object parm);

// Start is called before the first frame update

public static Main inst;

private void Awake()

{

inst = this;

}

void Start()

{

float bl = ((float)Screen.width) / Screen.height;

Screen.SetResolution((int)(1920\*bl),1920,false);

DispEvent("gamebegin");

}

static Dictionary<string, List<registfun>> evs = new();

public static object DispEvent(string ev, object parm = null)

{

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\Main.cs

```
if (evs.ContainsKey(ev))
{
    for (int i = 0; i < evs[ev].Count; i++)
    {
        var p = evs[ev][i](parm);
        if (p != null)
        {
            return p;
        }
    }
    Debug.LogError("■■■■■■■■" + ev);
    return null;
}
else
{
    return null;
}

public static void RegisterEvent(string ev, registfun fun)
{
    if (evs.ContainsKey(ev))
    {
        //Debug.LogError("■■■■■■■■" + ev);
    }
}
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\Main.cs

else

{

evs[ev] = new List<registfun>();

}

evs[ev].Add(fun);

}

public static void RemoveEvent(string ev, registfun fun)

{

if (evs.ContainsKey(ev))

{

evs[ev].Remove(fun);

}

}

// Update is called once per frame

void Update()

{

}

}

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\musicmgr.cs

```
using System.Collections;
```

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

```
using UnityEngine;
```

```
public class musicmgr : MonoBehaviour
```

```
{
```

```
public AudioClip main, play,other,win,faield;
```

```
public AudioSource source
```

```
{
```

```
get
```

```
{
```

```
return GetComponent<AudioSource>();
```

```
}
```

```
}
```

```
// Start is called before the first frame update
```

```
void Awake()
```

```
{
```

```
Main.RegisterEvent("gamebegin", (x) =>
```

```
{
```

```
source.clip = main;
```

```
source.Play();
```

```
return null;
```

```
});
```

```
Main.RegisterEvent("event_play", (x) =>
```



■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\musicmgr.cs

```
{  
    source.clip = play;  
    source.Play();  
    return null;  
});  
Main.RegisterEvent("game_win", (x) =>  
{  
    source.clip = win;  
    source.Play();  
    return null;  
});  
Main.RegisterEvent("game_lose", (x) =>  
{  
    source.clip = faild;  
    source.Play();  
    return null;  
});  
Main.RegisterEvent("event_music", (a) =>  
{  
    source.mute = !bMusicEnable;  
    return null;  
});  
}  
  
private void Start()
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\musicmgr.cs

```
{  
  
source.mute = !bMusicEnable;  
  
}  
  
bool bMusicEnable  
  
{  
  
get  
  
{  
  
return PlayerPrefs.GetInt("music", 1) == 1;  
  
}  
  
}  
  
// Update is called once per frame  
  
void Update()  
  
{  
  
  
  
  
  
  
  
  
  
}  
  
}
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\playctrl.cs

```
■using System.Collections;
```

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

```
using UnityEngine;
```

```
using DG.Tweening;
```

```
using System;
```

```
public class playctrl : MonoBehaviour
```

 $\{$ 

```
public Material mat1;
```

```
public Material mat2,mat3,mat4,mat5,mat6,mat7,mat8,mat9,mat10;
```

```
public GameObject prefab;
```

```
private void Start()
```

 $\{$ 

}

```
/// <summary>
```

/// Box

/// </summary>

```
public void PlayOnePlusOne(int v, int v1)
```

 $\{$ 

```
if (_play != null)
```

 $\{$ 

```
StopCoroutine(_play);
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\playctrl.cs

```
}
```

```
for (int i = 0; i < alst.Count; i++)
```

```
{
```

```
GameObject.Destroy(alst[i]);
```

```
}
```

```
alst.Clear();
```

```
for(int i = 0; i < blst.Count; i++)
```

```
{
```

```
GameObject.Destroy(blst[i]);
```

```
}
```

```
blst.Clear();
```

```
clst.Clear();
```

```
_play = play(v, v1);
```

```
StartCoroutine(_play);
```

```
}
```

```
IEnumerator _play;
```

```
internal void PlayOneSubOne(int v, int v1)
```

```
{
```

```
if (_play != null)
```

```
{
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\playctrl.cs

```
StopCoroutine(_play);
```

```
}
```

```
for (int i = 0; i < alst.Count; i++)
```

```
{
```

```
GameObject.Destroy(alst[i]);
```

```
}
```

```
alst.Clear();
```

```
for (int i = 0; i < blst.Count; i++)
```

```
{
```

```
GameObject.Destroy(blst[i]);
```

```
}
```

```
blst.Clear();
```

```
clst.Clear();
```

```
_play = playsub(v, v1);
```

```
StartCoroutine(_play);
```

```
}
```

```
cameractrl _ctrl;
```

```
cameractrl ctrl
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\playctrl.cs

```
{
get
{
if (_ctrl == null)
{
_ctrl = Camera.main.gameObject.GetComponent<cameractrl>();//.GetComponent<cameractrl>;
}
return _ctrl;
}
}

List<GameObject> alst = new List<GameObject>();
List<GameObject> blst = new List<GameObject>();
List<GameObject> clst = new List<GameObject>();

void brushctrl()
{
int hei = 0;

hei = Mathf.Max(hei, alst.Count);
hei = Mathf.Max(hei, blst.Count);
hei = Mathf.Max(hei, clst.Count);

//■■dotween■■ctrl■■distance■■■■■■hei*2

DOTween.To(() => ctrl.distance, x => ctrl.distance = x, 10/*■■■■■■*/+ hei * 4, 0.5f).SetEase(Ease.OutQuad);
}

/**
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\playctrl.cs

\* ■■■■

\* \*/

IEnumerator playsub(int a, int b)

{

//■■■■■

for (int i = 0; i < a; i++)

{

//yield return new WaitForSeconds(1);

GameObject boxObject1 = GameObject.Instantiate(prefab);

boxObject1.transform.position = new Vector3(-3, i \* 2, 0);

alst.Add(boxObject1);

brushctrl();

}

//■■■■■

//for (int i = 0; i < b; i++)

//{

// //yield return new WaitForSeconds(1);

// GameObject boxObject2 = GameObject.Instantiate(prefab);

// boxObject2.transform.position = new Vector3(3, i \* 2, 0);

// blst.Add(boxObject2);

// brushctrl();

//}

brushcolor();

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\playctrl.cs

```
yield return new WaitForSeconds(1);
```

//■■■■■■■■■■

```
for (int i = 0; i < alst.Count; i++)
```

 $\{$ 

```
Vector3 targetPosition = new Vector3(0, i * 2, 0);
```

```
alst[j].transform.DOMove(targetPosition, 1.0f).SetEase(Ease.OutQuad);
```

}

brushcolor();

```
yield return new WaitForSeconds(1);
```

[illegible][illegible]

```
for(int i = 0; i < b;i++)
```

 $\{$ 

```
clst.Add(alst[0]);
```

```
alst.RemoveAt(0);
```

}

[illegible]





■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\playctrl.cs

```
for (int i = 0; i < clst.Count; i++)
```

 $\{$ 

```
GameObject.Destroy(clst[i]);
```

}

```
clst.Clear();
```

//■■■■■■■■■■

```
for (int i = 0; i < alst.Count; i++)
```

 $\{$ 

```
Vector3 targetPosition = new Vector3(0, i * 2, 0);
```

```
alst[i].transform.DOMove(targetPosition, 1.0f).SetEase(Ease.OutBounce);
```

}

```
brushcolor();
```

brushctrl();

```
yield return new WaitForSeconds(3);
```

```
Main.DispEvent("event_backfromplay");
```

```
_play = null;
```

}

```
IEnumerator play(int a, int b)
```

 $\{$

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\playctrl.cs

```
for(int i = 0; i < a; i++)  
{  
    yield return new WaitForSeconds(1);  
    GameObject boxObject1 = GameObject.Instantiate(prefab);  
    boxObject1.transform.position = new Vector3(-3, i*2, 0);  
  
    alst.Add(boxObject1);  
    brushcolor();  
    brushctrl();  
}
```

```
for(int i = 0; i < b; i++)  
{  
    yield return new WaitForSeconds(1);  
    GameObject boxObject2 = GameObject.Instantiate(prefab);  
    boxObject2.transform.position = new Vector3(3, i*2, 0);  
    blst.Add(boxObject2);  
    brushcolor();  
    brushctrl();  
}
```

```
yield return new WaitForSeconds(1);
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\playctrl.cs

```
for(int i = 0; i < alst.Count; i++)  
  
{  
  
    AnimateBoxes(i, alst[i].transform);  
  
}  
  
for(int i = 0; i < blst.Count; i++)  
  
{  
  
    AnimateBoxes(i+alst.Count, blst[i].transform);  
  
}  
  
brushctrl();  
  
  
  
  
yield return new WaitForSeconds(3);  
  
Main.DispEvent("event_backfromplay");  
  
_play = null;  
  
}  
  
Material getmat(int count,int index=1)  
  
{  
  
    if (count == 1)  
  
    {  
  
        return mat1;  
  
    }  
  
    else if (count == 2)  
  
    {  
  
        return mat2;  
  
    }  
  
}
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\playctrl.cs

```
else if (count == 3)
```

```
{
```

```
    return mat3;
```

```
}
```

```
else if (count == 4)
```

```
{
```

```
    return mat4;
```

```
}
```

```
else if (count == 5)
```

```
{
```

```
    return mat5;
```

```
}
```

```
else if (count == 6)
```

```
{
```

```
    return mat6;
```

```
}
```

```
else if(count == 7)
```

```
{
```

```
    if (index == 0) return mat1;
```

```
    if (index == 1) return mat2;
```

```
    if (index == 2) return mat3;
```

```
    if (index == 3) return mat4;
```

```
    if (index == 4) return mat5;
```

```
    if (index == 5) return mat6;
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\playctrl.cs

```
return mat7;
```

```
}
```

```
else if (count == 8)
```

```
{
```

```
return mat8;
```

```
}
```

```
else if (count == 9)
```

```
{
```

```
if (!mat9list.ContainsKey(index))
```

```
{
```

```
mat9list[index] = Instantiate(mat9);
```

```
mat9list[index].color = Color.Lerp(new Color(0.9f, 0.9f, 0.9f), new Color(0.5f, 0.5f, 0.5f), index / 8f);
```

```
}
```

```
return mat9list[index];
```

```
}
```

```
else
```

```
{
```

```
return mat10;
```

```
}
```

```
}
```

```
Dictionary<int, Material> mat9list = new Dictionary<int, Material>();
```

```
void brushcolor()
```

```
{
```

```
for(int i = 0; i < alst.Count; i++)
```

```
{
    alst[i].GetComponent<MeshRenderer>().material = getmat(alst.Count,i);
}

for (int i = 0; i < blst.Count; i++)
{
    blst[i].GetComponent<MeshRenderer>().material = getmat(blst.Count,i);
}
```

```
for (int i = 0; i < clst.Count; i++)
{
    clst[i].GetComponent<MeshRenderer>().material = getmat(clst.Count,i);
}
}
```

```
{  
  
    clst.Add(box2.gameObject);  
  
    // ████████████████████████████████████████  
  
    Vector3 targetPosition = new Vector3(0, y*2, 0); // 1.5f██████████████████1██████████████████1.0f██████1.5f  
  
    // ██DOTween██████████  
  
    // ███.DOJump██████████  
  
    box2.DOJump(targetPosition, 1.0f, 1, 1.0f) // ██████1.0f█1██████████1.0█  
  
        .SetEase(Ease.OutQuad)  
  
        .OnComplete(() => {
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\playctrl.cs

// ■■■■■■■■■■

```
//box1.GetComponent<Renderer>().material = mat2;
```

```
//box2.GetComponent<Renderer>().material = mat2;
```

brushcolor();

```
Debug.Log("■■■■■■■■■■■■■■■■■■■■■■■■■■■■■■");
```

$$\}));$$

}

}



■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\rot.cs

```
using System.Collections;
```

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

```
using UnityEngine;
```

```
public class rot : MonoBehaviour
```

```
{
```

```
    public float speed = 40;
```

```
    // Start is called before the first frame update
```

```
    void Start()
```

```
    {
```

```
    }
```

```
    // Update is called once per frame
```

```
    void Update()
```

```
    {
```

```
        transform.localRotation = Quaternion.Euler(0, 0, Time.time * speed);
```

```
    }
```

```
}
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\soundmgr.cs

```
using System.Collections;
```

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

```
using UnityEngine;
```

```
public class soundmgr : MonoBehaviour
```

```
{
```

```
// Start is called before the first frame update
```

```
public AudioSource peng, click, slider;
```

```
void Start()
```

```
{
```

```
Main.RegisterEvent("event_lian", (parm) =>
```

```
{
```

```
if (bSoundEnable)
```

```
{
```

```
peng.Play();
```

```
}
```

```
return 1;
```

```
});
```

```
Main.RegisterEvent("event_click", (parm) =>
```

```
{
```

```
if (bSoundEnable)
```

```
{
```

```
click.Play();
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\soundmgr.cs

```
}
```

```
return 1;
```

```
});
```

```
Main.RegisterEvent("event_sound", (parm) =>
```

```
{
```

```
return null;
```

```
});
```

```
Main.RegisterEvent("event_slider", (parm) =>
```

```
{
```

```
if (bSoundEnable)
```

```
{
```

```
slider.Play();
```

```
}
```

```
return null;
```

```
});
```

```
}
```

```
bool bSoundEnable
```

```
{
```

```
get
```

```
{
```

```
return PlayerPrefs.GetInt("sound", 1) == 1;
```

```
}
```

```
■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\soundmgr.cs
```

```
}
```

```
// Update is called once per frame
```

```
void Update()
```

```
{
```

```
}
```

```
}
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\Tools.cs

```
using System;
```

```
using System.Collections;
```

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

```
using UnityEngine;
```

```
using UnityEngine.UI;
```

```
public class Tools : MonoBehaviour
```

```
{
```

```
    internal int times;
```

```
    public UnityEngine.UI.Button.ButtonClickedEvent eventx;
```

```
    // Start is called before the first frame update
```

```
    void Start()
```

```
    {
```

```
        GetComponent<Button>().onClick.AddListener(() =>
```

```
        {
```

```
            eventx.Invoke();
```

```
            Main.DispEvent("event_click");
```

```
        });
```

```
    }
```

```
    // Update is called once per frame
```

```
    void Update()
```

```
    {
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\Tools.cs

```
}
```

```
internal void reset()
```

```
{
```

```
times = 1;
```

```
gameObject.SetActive(true);
```

```
}
```

```
}
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\Editor\frmbaseeditor.cs

```
■using System.Collections;
```

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

```
using UnityEngine;
```

```
using UnityEditor;
```

```
[CustomEditor(typeof(frmbase),true)]
```

```
public class frmbaseeditor : Editor
```

```
{
```

```
// Start is called before the first frame update
```

```
public override void OnInspectorGUI()
```

```
{
```

```
base.OnInspectorGUI();
```

```
if (GUILayout.Button("■■"))
```

```
{
```

```
frm.show();
```

```
}
```

```
if (GUILayout.Button("■■"))
```

```
{
```

```
frm.hide();
```

```
}
```

```
}
```

```
frmbase frm
```

```
{
```

```
get
```

```
{
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\Editor\frmbaseeditor.cs

```
return target as frmbase;
```

```
}
```

```
}
```

```
}
```



■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\Editor\NewFile.cs

```
using UnityEngine;
```

```
using UnityEditor;
```

```
using System;
```

```
public class PlayerPrefsTools : EditorWindow
```

```
{
```

```
[MenuItem("Tools/PlayerPrefs/Delete All PlayerPrefs")]
```

```
public static void DeleteAllPlayerPrefs()
```

```
{
```

```
PlayerPrefs.DeleteAll();
```

```
PlayerPrefs.Save();
```

```
Debug.Log("■■ PlayerPrefs ■■■");
```

```
}
```

```
[MenuItem("Tools/PlayerPrefs/Open PlayerPrefs Window")]
```

```
public static void ShowWindow()
```

```
{
```

```
GetWindow<PlayerPrefsTools>("PlayerPrefs ■■");
```

```
}
```

```
void OnGUI()
```

```
{
```

```
GUILayout.Label("PlayerPrefs ■■", EditorStyles.boldLabel);
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\Editor\NewFile.cs

```
if (GUILayout.Button("■■■■"))
{
    OpenPlayerPrefsDirectory();
}

if (GUILayout.Button("■■■■ PlayerPrefs"))
{
    DeleteAllPlayerPrefs();
}

if (GUILayout.Button("■■■■■■■■"))
{
    Debug.Log("■■■■: " + PlayerPrefs.GetInt("level", 1));
}
}

private void OpenPlayerPrefsDirectory()
{
    //■■■■■■■■

    UnityEditor.EditorUtility.OpenWithDefaultApp(Application.persistentDataPath);
}
}
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_chengjiu.cs

```
using System.Collections;

using System.Collections.Generic;

using UnityEngine;

using TMPro;

using UnityEngine.UI;

public class frm_chengjiu : frmbase

{

    public Transform content;

    public TextMeshProUGUI additionAccuracyText; // ■■■■■■■■

    public TextMeshProUGUI subtractionAccuracyText; // ■■■■■■■■

    public TextMeshProUGUI overallAccuracyText; // ■■■■■■■■

    public TextMeshProUGUI mainall;

    public TextMeshProUGUI details;

    /// <summary>

    /// ■■■■■■■■■■

    /// </summary>

    void UpdateStatisticsDisplay()

    {

        // ■■■■■■■■

        int totalAddition = PlayerPrefs.GetInt("TotalAdditionQuestions", 0);

        int correctAddition = PlayerPrefs.GetInt("CorrectAdditionQuestions", 0);

        int totalSubtraction = PlayerPrefs.GetInt("TotalSubtractionQuestions", 0);

        int correctSubtraction = PlayerPrefs.GetInt("CorrectSubtractionQuestions", 0);
```

```
■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm_chengjiu.cs
```

```
// ■■■■■■
```

```
float additionAccuracy = totalAddition > 0 ? (float)correctAddition / totalAddition * 100 : 0;
```

```
float subtractionAccuracy = totalSubtraction > 0 ? (float)correctSubtraction / totalSubtraction * 100 : 0;
```

```
// ■■■■■■■■
```

```
int totalAll = totalAddition + totalSubtraction;
```

```
int correctAll = correctAddition + correctSubtraction;
```

```
float overallAccuracy = totalAll > 0 ? (float)correctAll / totalAll * 100 : 0;
```

```
// ■■UI■■
```

```
if (additionAccuracyText != null)
```

```
{
```

```
additionAccuracyText.text = $"{additionAccuracy}%";//({correctAddition}/{totalAddition})";
```

```
}
```

```
if (subtractionAccuracyText != null)
```

```
{
```

```
subtractionAccuracyText.text = $"{subtractionAccuracy}%";// ({correctSubtraction}/{totalSubtraction})";
```

```
}
```

```
if (overallAccuracyText != null)
```

```
{
```

```
overallAccuracyText.text = $"{overallAccuracy}%";// ({correctAll}/{totalAll})";
```

```
}
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_chengjiu.cs

details.text = \$"■■■:{totalAddition+totalSubtraction},■■:{correctAddition+correctSubtraction}";

mainall.text = \$" {overallAccuracy}%";

Debug.Log(\$"■■■■■■■ - ■■: {additionAccuracy:F1}%, ■■: {subtractionAccuracy:F1}%, ■■: {overallAccuracy:F1}%");

protected override void OnShow()

{

base.OnShow();

ShowStatistics();

}

/// <summary>

/// ■■■■■■

/// </summary>

void ShowStatistics()

{

UpdateStatisticsDisplay();

}

private void Awake()

{

var x = content.GetComponentsInChildren<Image>();

foreach(var item in x)

{

item.raycastTarget = false;

}

var fx = content.GetComponentsInChildren<TextMeshProUGUI>();

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_chengjiu.cs

```
foreach (var item in fx)
```

```
{
```

```
    item.raycastTarget = false;
```

```
}
```

```
Main.RegistEvent("event_chengjiu", (object parm) =>
```

```
{
```

```
    show();
```

```
    return null;
```

```
});
```

```
Main.RegistEvent("gamebegin", (object parm) =>
```

```
{
```

```
    hide();
```

```
    return null;
```

```
});
```

```
Main.RegistEvent("event_mix", (object parm) =>
```

```
{
```

```
    hide();
```

```
    return null;
```

```
});
```

```
}
```

```
// Start is called before the first frame update
```

```
void Start()
```

```
{
```

```
    var ls =content.GetComponentInChildren<VerticalLayoutGroup>();
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_chengjiu.cs

```
for(int i = 0; i < ls.Length; i++)
```

```
{
```

```
    ls[i].enabled = false;
```

```
}
```

```
}
```

```
// Update is called once per frame
```

```
void Update()
```

```
{
```

```
}
```

```
}
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_main.cs

```
using System.Collections;

using System.Collections.Generic;

using UnityEngine;

using UnityEngine.UI;

public class frm_main : frmbase

{

    public Button plus, subs, mix, setup;

    private void Awake()

    {

        Main.RegistEvent("gamebegin", (object parm) =>

        {

            show();

            return null;

        });

        plus.onClick.AddListener(() =>

        {

            Main.DispEvent("event_plus");

        });

        subs.onClick.AddListener(() =>

        {

            Main.DispEvent("event_subs");

        });

        mix.onClick.AddListener(() =>

        {
```



■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_main.cs

```
Main.DispEvent("event_mix");

});

setup.onClick.AddListener(() =>

{

Main.DispEvent("event_chengjiu");

});

Main.RegistEvent("event_mix", (x) => {

this.hide();

return null;

});

Main.RegistEvent("event_plus", (x) => {

this.hide();

return null;

});

Main.RegistEvent("event_subs", (x) => {

this.hide();

return null;

});

Main.RegistEvent("event_chengjiu", (x) => {

this.hide();

return null;

});

Main.RegistEvent("event_setup", (x) => {

this.hide();
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_main.cs

```
return null;
```

```
});
```

```
Main.RegisterEvent("event_back", (x) => {
```

```
this.show();
```

```
return null;
```

```
});
```

```
}
```

```
// Start is called before the first frame update
```

```
void Start()
```

```
{
```

```
}
```

```
// Update is called once per frame
```

```
void Update()
```

```
{
```

```
}
```

```
}
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_practice.cs

■using System.Collections;

using System.Collections.Generic;

using UnityEngine;

using TMPro;

using UnityEngine.UI;

using DG.Tweening;

public class frm\_practice : frmbase

{

public TextMeshProUGUI title, ansure, progress, explan;

public Button[] buttons; /\*■■0■8■■■1■9■■■10■0■■■11■■■■■■■■12■■■\*/

private int currentQuestion = 0; // ■■■■■■

private int totalQuestions = 10; // ■■■■

private int score = 0; // ■■■

private string currentAnswer = ""; // ■■■■

private int correctAnswer = 0; // ■■■■

private string questionText = ""; // ■■■■

public Image right, wrong;

public Button back, play;

private bool isProcessing = false; // ■■■■■■■■■■

private int totalAdditionQuestions = 0; // ■■■■■■

private int correctAdditionQuestions = 0; // ■■■■■■

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_practice.cs

```
private int totalSubtractionQuestions = 0; // ■■■■■■
```

```
private int correctSubtractionQuestions = 0; // ■■■■■■
```

```
private QuestionType currentQuestionType; // ■■■■■■
```

```
// ■■■■■■
```

```
public enum QuestionType
```

```
{
```

```
Addition, // ■■
```

```
Subtraction, // ■■
```

```
// Multiplication // ■■
```

```
Mix, // ■■
```

```
}
```

```
QuestionType type_practice = QuestionType.Addition;
```

```
void Awake()
```

```
{
```

```
back.onClick.AddListener(() =>
```

```
{
```

```
Main.DispEvent("event_back");
```

```
hide();
```

```
});
```

```
play.onClick.AddListener(() =>
```

```
{
```

```
Main.DispEvent("event_play", new int[] { para, parb, correctAnswer });
```

```
hide();
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_practice.cs

```
});
```

```
InitializeButtons();
```

```
Main.RegistEvent("event_begin", (x) =>
```

```
{
```

```
BeginPractice();
```

```
return null;
```

```
});
```

```
Main.RegistEvent("event_backfromplay", (x) =>
```

```
{
```

```
show();
```

```
return null;
```

```
});
```

```
Main.RegistEvent("gamebegin", (object parm) =>
```

```
{
```

```
hide();
```

```
return null;
```

```
});
```

```
Main.RegistEvent("event_plus", (x) =>
```

```
{
```

```
type_practice = QuestionType.Addition;
```

```
BeginPractice();
```

```
this.show();
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_practice.cs

```
return null;
```

```
});
```

```
Main.RegisterEvent("event_subs", (x) =>
```

```
{
```

```
type_practice = QuestionType.Subtraction;
```

```
BeginPractice();
```

```
this.show();
```

```
return null;
```

```
});
```

```
Main.RegisterEvent("event_mix", (x) =>
```

```
{
```

```
type_practice = QuestionType.Mix;
```

```
BeginPractice();
```

```
this.show();
```

```
return null;
```

```
});
```

```
Main.RegisterEvent("event_chengjiu", (x) =>
```

```
{
```

```
this.hide();
```

```
return null;
```

```
});
```

```
// ■■■■■■■■
```

```
if (right != null) right.gameObject.SetActive(false);
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_practice.cs

```
if (wrong != null) wrong.gameObject.SetActive(false);  
  
}
```

```
/// <summary>
```

```
/// ■■■■■■■■
```

```
/// </summary>
```

```
void InitializeButtons()
```

```
{
```

```
// ■■■■ 1-9
```

```
for (int i = 0; i < 9; i++)
```

```
{
```

```
int num = i + 1;
```

```
buttons[i].onClick.AddListener(() => OnNumberButtonPressed(num.ToString()));
```

```
}
```

```
// ■■■■ 0
```

```
buttons[9].onClick.AddListener(() => OnNumberButtonPressed("0"));
```

```
// ■■■■
```

```
buttons[10].onClick.AddListener(OnBackspaceButtonPressed);
```

```
// ■■■■
```

```
buttons[11].onClick.AddListener(OnConfirmButtonPressed);
```

```
}
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_practice.cs

```
/// <summary>
```

```
/// ■■■■
```

```
/// </summary>
```

```
void BeginPractice()
```

```
{
```

```
currentQuestion = 0;
```

```
score = 0;
```

```
ResetCurrentStatistics(); // ■■■■■■■■■■■■
```

```
GenerateNextQuestion();
```

```
}
```

```
/// <summary>
```

```
/// ■■■■
```

```
/// </summary>
```

```
void GenerateNextQuestion()
```

```
{
```

```
if (currentQuestion >= totalQuestions)
```

```
{
```

```
SaveStatistics();
```

```
// ■■■■
```

```
EndPractice();
```

```
return;
```

```
}
```



■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_practice.cs

// ■■■■■■

HideFeedbackIcons();

// ■■■■■■■■

QuestionType type = type\_practice;// (QuestionType)Random.Range(0, 2);

// ■■■■■■■■■■

switch (type)

{

case QuestionType.Addition:

currentQuestionType = QuestionType.Addition;

totalAdditionQuestions++;

GenerateAdditionQuestion();

break;

case QuestionType.Subtraction:

currentQuestionType = QuestionType.Subtraction;

totalSubtractionQuestions++;

GenerateSubtractionQuestion();

break;

case QuestionType.Mix:

if (Random.Range(0, 2) == 0)

{

currentQuestionType = QuestionType.Addition;

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_practice.cs

```
totalAdditionQuestions++;
```

```
GenerateAdditionQuestion();
```

```
}
```

```
else
```

```
{
```

```
currentQuestionType = QuestionType.Subtraction;
```

```
totalSubtractionQuestions++;
```

```
GenerateSubtractionQuestion();
```

```
}
```

```
break;
```

```
}
```

```
// ■■■■■■
```

```
title.text = $"■■{currentQuestion + 1}■: {questionText} = ?";
```

```
currentAnswer = "";
```

```
isProcessing = false;
```

```
currentQuestion++;
```

```
}
```

```
int para, parb;
```

```
/// <summary>
```

```
/// ■■■■■■
```

```
/// </summary>
```

```
void GenerateAdditionQuestion()
```

```
{
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_practice.cs

```
para = Random.Range(1, 5); // 1-20■■■■■
```

```
parb = Random.Range(1, 5);
```

```
correctAnswer = para + parb;
```

```
questionText = $"{para} + {parb}";
```

```
}
```

```
/// <summary>
```

```
/// ■■■■■■
```

```
/// </summary>
```

```
void GenerateSubtractionQuestion()
```

```
{
```

```
para = Random.Range(1, 10); // 1-30■■■■■
```

```
parb = Random.Range(1, para); // ■■■■■■
```

```
correctAnswer = para - parb;
```

```
questionText = $"{para} - {parb}";
```

```
}
```

```
/// <summary>
```

```
/// ■■■■■■
```

```
/// </summary>
```

```
void GenerateMultiplicationQuestion()
```

```
{
```

```
int a = Random.Range(1, 13); // 1-12■■■■■
```

```
int b = Random.Range(1, 13);
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_practice.cs

```
correctAnswer = a * b;
```

```
questionText = $"{a} × {b}";
```

```
}
```

```
/// <summary>
```

```
/// ■■■■■■■■■■
```

```
/// </summary>
```

```
/// <param name="number">■■■■■</param>
```

```
void OnNumberButtonPressed(string number)
```

```
{
```

```
if (isProcessing) return; // ■■■■■■■■■■■■■■■■■■
```

```
// ■■■■■■■■■■3■■■
```

```
if (currentAnswer.Length < 3)
```

```
{
```

```
currentAnswer += number;
```

```
UpdateTitleDisplay();
```

```
}
```

```
}
```

```
/// <summary>
```

```
/// ■■■■■■■■■■
```

```
/// </summary>
```

```
void OnBackspaceButtonPressed()
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_practice.cs

```
{  
  
if (isProcessing) return; // ■■■■■■■■■■■■■■■■■■■■■■  
  
  
if (currentAnswer.Length > 0)  
{  
  
currentAnswer = currentAnswer.Substring(0, currentAnswer.Length - 1);  
  
UpdateTitleDisplay();  
  
  
  
}  
  
}  
  
  
  
/// <summary>  
/// ■■■■■■■■■■■■■■■■■■■■■■  
/// </summary>  
  
void OnConfirmButtonPressed()  
{  
  
if (autopress != null)  
{  
  
StopCoroutine(autopress);  
  
autopress = null;  
  
}  
}
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_practice.cs

```
if (isProcessing || string.IsNullOrEmpty(currentAnswer)) return;
```

```
isProcessing = true;
```

```
int answer = int.Parse(currentAnswer);
```

```
// ■■■■■■■■■■
```

```
if (answer == correctAnswer)
```

```
{
```

```
    ShowFeedback(true);
```

```
}
```

```
else
```

```
{
```

```
    ShowFeedback(false);
```

```
}
```

```
}
```

```
/// <summary>
```

```
/// ■■■■■■■■
```

```
/// </summary>
```

```
/// <param name="isCorrect">■■■■■■■</param>
```

```
void ShowFeedback(bool isCorrect)
```

```
{
```

```
// ■■■■■■■■
```

```
if (isCorrect)
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_practice.cs

```
{  
    if (right != null)  
    {  
        right.gameObject.SetActive(true);  
        // ■■■■■■  
        right.transform.localScale = Vector3.zero;  
        right.transform.DOScale(Vector3.one, 0.3f).SetEase(Ease.OutBack);  
    }  
}  
else  
{  
    if (wrong != null)  
    {  
        wrong.gameObject.SetActive(true);  
        // ■■■■■■  
        wrong.transform.localScale = Vector3.zero;  
        wrong.transform.DOScale(Vector3.one, 0.3f).SetEase(Ease.OutBack);  
    }  
}  
  
// ■■■■  
if (isCorrect)  
{  
    score += 10; // ■■10■
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_practice.cs

```
if (currentQuestionType == QuestionType.Addition)
{
    correctAdditionQuestions++;
}

else if (currentQuestionType == QuestionType.Subtraction)
{
    correctSubtractionQuestions++;
}

Debug.Log($"■■■■■■■■■■: {score}");

explan.text = $"■■";
}

else
{
    explan.text = $"■■,■■■■■■: {correctAnswer}";

    Debug.Log($"■■■■■■■■■■: {correctAnswer}");
}

progress.text = $"■■{score}/{100}({currentQuestion * 10}%)";

// 3■■■■■■■■

DOVirtual.DelayedCall(1.0f, () =>
{
    explan.text = $"■■■■";

    ansure.text = " _ ";
```



■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_practice.cs

```
GenerateNextQuestion();
```

```
});
```

```
}
```

```
void SaveStatistics()
```

```
{
```

```
// ■■■■■■■■■■
```

```
int savedTotalAddition = PlayerPrefs.GetInt("TotalAdditionQuestions", 0);
```

```
int savedCorrectAddition = PlayerPrefs.GetInt("CorrectAdditionQuestions", 0);
```

```
int savedTotalSubtraction = PlayerPrefs.GetInt("TotalSubtractionQuestions", 0);
```

```
int savedCorrectSubtraction = PlayerPrefs.GetInt("CorrectSubtractionQuestions", 0);
```

```
// ■■■■■■■■
```

```
savedTotalAddition += totalAdditionQuestions;
```

```
savedCorrectAddition += correctAdditionQuestions;
```

```
savedTotalSubtraction += totalSubtractionQuestions;
```

```
savedCorrectSubtraction += correctSubtractionQuestions;
```

```
// ■■■■■■■■■■
```

```
PlayerPrefs.SetInt("TotalAdditionQuestions", savedTotalAddition);
```

```
PlayerPrefs.SetInt("CorrectAdditionQuestions", savedCorrectAddition);
```

```
PlayerPrefs.SetInt("TotalSubtractionQuestions", savedTotalSubtraction);
```

```
PlayerPrefs.SetInt("CorrectSubtractionQuestions", savedCorrectSubtraction);
```

```
PlayerPrefs.Save();
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_practice.cs

```
Debug.Log($"■■■■■■■■ - ■■: {correctAdditionQuestions}/{totalAdditionQuestions}, ■■: {correctSubtractionQuestions}/{totalSubtractionQuestions}");
}
```

```
/// <summary>
```

```
/// ■■■■■■■■■■
```

```
/// </summary>
```

```
void ResetCurrentStatistics()
```

```
{
```

```
totalAdditionQuestions = 0;
```

```
correctAdditionQuestions = 0;
```

```
totalSubtractionQuestions = 0;
```

```
correctSubtractionQuestions = 0;
```

```
}
```

```
/// <summary>
```

```
/// ■■■■■■
```

```
/// </summary>
```

```
void HideFeedbackIcons()
```

```
{
```

```
if (right != null) right.gameObject.SetActive(false);
```

```
if (wrong != null) wrong.gameObject.SetActive(false);
```

```
}
```

```
/// <summary>
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_practice.cs

/// ■■■■■■

/// </summary>

void UpdateTitleDisplay()

{

//title.text = \$"■■{currentQuestion}■: {questionText} = {currentAnswer}";

if (currentAnswer.Length > 0)

{

ansure.text = \$" {currentAnswer}";

}

else

{

ansure.text = " \_ ";

}

if (currentAnswer == correctAnswer.ToString())

{

autopress = pressok();

StartCoroutine(autopress);

}

}

IEnumerator pressok()

{

yield return new WaitForSeconds(0.5f);



■■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_result.cs

```
using System.Collections;

using System.Collections.Generic;

using TMPro;

using UnityEngine;

using UnityEngine.UI;

public class frm_result : frmbase

{

    public Button back, again;

    public TextMeshProUGUI source, time;

    // Start is called before the first frame update

    private void Start()

    {

        Main.RegisterEvent("event_over", (x)=>

        {

            object[] par = x as object[];

            source.text = "■■■■" +(int) par[0];

            time.text = $"■■■■{(int)par[1]}■";

            show();

            return null;

        });

        back.onClick.AddListener(() =>

        {

            Main.DispEvent("gamebegin");

            hide();
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_result.cs

```
});
```

```
again.onClick.AddListener(() =>
```

```
{
```

```
Main.DispEvent("event_begin");
```

```
});
```

```
Main.RegisterEvent("event_begin", (x) =>
```

```
{
```

```
hide();
```

```
return null;
```

```
});
```

```
}
```

```
// Update is called once per frame
```

```
void Update()
```

```
{
```

```
}
```

```
}
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_setup.cs

```
using System.Collections;

using System.Collections.Generic;

using UnityEngine;

using UnityEngine.UI;

public class frm_setup : frmbase

{

    public Button reset;

    // Start is called before the first frame update

    void Start()

    {

        Main.RegisterEvent("event_setup", (x) =>

        {

            show();

            return null;

        });

        Main.RegisterEvent("gamebegin", (x) =>

        {

            hide();

            return null;

        });

        Main.RegisterEvent("event_mix", (x) =>

        {

            hide();

            return null;

        });

    }

}
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_setup.cs

```
});
```

```
Main.RegistEvent("event_chengjiu", (x) =>
```

```
{
```

```
hide();
```

```
return null;
```

```
});
```

```
reset.onClick.AddListener(() =>
```

```
{
```

```
PlayerPrefs.DeleteAll();
```

```
PlayerPrefs.Save();
```

```
});
```

```
}
```

```
// Update is called once per frame
```

```
void Update()
```

```
{
```

```
}
```

```
}
```



■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_tools.cs

```
using System.Collections;

using System.Collections.Generic;

using UnityEngine;

using UnityEngine.UI;

using TMPro;

public class frm_tools : frmbase

{

    public Button main, practice, result, setup;

    private Button _curr;


    Button curr

    {

        get

        {

            return _curr;

        }

        set

        {

            if (_curr != null)

            {

                _curr.GetComponent<Image>().color = Color.white;

                _curr.transform.Find("Image").GetComponent<Image>().color = Color.gray;

                _curr.GetComponentInChildren<TextMeshProUGUI>().color = Color.gray;

            }

        }

    }

}
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_tools.cs

```
_curr = value;

if(_curr != null)

{

_curr.GetComponent<Image>().color =new Color(0.1568f,0.6196f,0.9607f);

_curr.transform.Find("Image").GetComponent<Image>().color = Color.white;

_curr.GetComponentInChildren<TextMeshProUGUI>().color = Color.white;

}

}

}

private void Awake()

{

Main.RegistEvent("gamebegin", (object parm) =>

{

curr = main;

return null;

});

main.onClick.AddListener(() =>

{

curr = main;

Main.DispEvent("gamebegin");

});

practice.onClick.AddListener(() =>

{

curr = practice;
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_tools.cs

```
Main.DispEvent("event_mix");

});

result.onClick.AddListener(() =>

{

curr = result;

Main.DispEvent("event_chengjiu");

});

setup.onClick.AddListener(() => {

curr = setup;

Main.DispEvent("event_setup");

});

Main.RegistEvent("event_chengjiu", (x) =>

{

curr = result;

return null;

});

}

// Start is called before the first frame update

void Start()

{

}

}

// Update is called once per frame
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_tools.cs

```
void Update()
```

```
{
```

```
}
```

```
}
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_yanshi.cs

```
using System.Collections;

using System.Collections.Generic;

using UnityEngine;

using UnityEngine.UI;

using TMPro;

public class frm_yanshi : frmbase

{

    public playctrl ctrl;

    public TextMeshProUGUI source;

    public Button back;

    // Start is called before the first frame update

    private void Awake()

    {

        Main.RegistEvent("gamebegin", (object parm) =>

        {

            hide();

            return null;

        });

        Main.RegistEvent("event_backfromplay", (object parm) =>

        {

            hide();

            return null;

        });

    }

}
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_yanshi.cs

```
void Start()
```

```
{
```

```
Main.RegistEvent("event_play", (x) =>
```

```
{
```

```
int[] pars = x as int[];
```

```
if (pars[2] == pars[0] + pars[1]) {
```

```
source.text = pars[0] + " + " + pars[1] + " = " + pars[2];
```

```
ctrl.PlayOnePlusOne(pars[0],pars[1]);
```

```
}
```

```
else
```

```
{
```

```
source.text = pars[0] + " - " + pars[1] + " = " + pars[2];
```

```
ctrl.PlayOneSubOne(pars[0],pars[1]);
```

```
}
```

```
show();
```

```
return null;
```

```
});
```

```
back.onClick.AddListener(() =>
```

```
{
```

```
Main.DispEvent("event_backfromplay");
```

■■: c:\Users\Administrator\mathpractice\client\Assets\Scripts\frm\frm\_yanshi.cs

```
});
```

```
}
```

```
// Update is called once per frame
```

```
void Update()
```

```
{
```

```
}
```

```
}
```

