

Temp的注释

```
1 import pygame
2 import os#import pygame和os
3 DEFAULTSIZE = (1080,720)
4 BG_COLOR = (255,255,255)#常量设置
5 class Ball(pygame.sprite.Sprite):#Ball类的定义
6     def __init__(self):#初始化方法的定义
7         pygame.sprite.Sprite.__init__(self)#初始化Sprite
8         self.image =
pygame.transform.scale(pygame.image.load("./images/ball.png", "The
ball").convert(),(120,120))
9         self.rect = self.image.get_rect()
10        self.image.set_colorkey(BG_COLOR)
11        self.windowInfo = pygame.display.Info()
12        self.rect.center =
(self.windowInfo.current_w/2,self.windowInfo.current_h/2)
13        self.speedX = 0
14        self.speedY = 0#对象的初始属性
15    def move(self,x,y):#移动
16        self.speedY=0#让球停下来
17        self.rect.center = (x,y)#移动到x,y
18    def run(self, compassX, compassY):#让球跑
19        self.rect = self.rect.move(compassX*10, compassY*10)#compassX\Y代表方
向, *10是每次移动的距离
20    def draw(self):
21        SCREEN.blit(self.image, self.rect)#在SCREEN上画出球
22    def limit(self):#限制球的运动
23        if(self.rect.bottom >= self.windowInfo.current_h):
24            self.rect.bottom = self.windowInfo.current_h
25            self.speedY = (-2/3)*self.speedY#反弹
26    def update(self):#更新球
27        g=0.1#模拟重力加速度
28        self.windowInfo = pygame.display.Info()#实时获取窗口大小信息
29        self.speedY +=g#加速加速
30        self.rect = self.rect.move(self.speedX, self.speedY)#运动
31        self.limit()
32        self.draw()
33
34
35 pygame.init()
36 pygame.display.set_caption("Hello world!")
37 SCREEN = pygame.display.set_mode(DEFAULTSIZE,pygame.RESIZABLE)#初始化三板斧
38 myBalls = []
39 for i in range(2):
40     myBalls.append(Ball())#使用列表来存放对象
41 fclock = pygame.time.Clock()#时钟
42
43 while True:#游戏主循环
44     SCREEN.fill(BG_COLOR)
45     eventList = pygame.event.get()
46     for event in eventList:#事件检测
47         if event.type == pygame.QUIT:
48             exit()
```

```
49     elif event.type == pygame.KEYDOWN:
50         if(event.key == pygame.K_ESCAPE):
51             exit()
52         if(event.key == pygame.K_RIGHT):
53             myBalls[0].run(1, 0)
54         if(event.key == pygame.K_LEFT):
55             myBalls[0].run(-1, 0)
56         if(event.key == pygame.K_UP):
57             myBalls[0].run(0, -1)
58         if(event.key == pygame.K_DOWN):
59             myBalls[0].run(0, 1)
60     elif event.type == pygame.MOUSEBUTTONDOWN:
61         myBalls[0].move(event.pos[0],event.pos[1])
62 for ball in myBalls:#让所有球都更新
63     ball.update()
64 fclock.tick(60)#限定时钟速度
65 pygame.display.flip()#更新屏幕
```

这里就只放一个注释，后面我会把pygame的这些基本知识点分解出来单独上传。