```
import pygame
```

```
BLACK = (0, 0, 0)
WHITE = (255, 255, 255)
GREY1 = (192, 192, 192)
DRKGREY=(128,128,128)
RED=(146,10,10)
BLUE=(10,105,146)
ORANGE=(222,166,54)
BROWN = (153, 76, 0)
GREEN = (0, 255, 0)
PURPLE= (137,0,255)
LIGHTBLACK = (32, 32, 32)
YELLOWGREEN = (154, 205, 50)
SKYBLUE = (135, 206, 250)
LIGHTYELLOW = (255, 255, 51)
LIGHTWHITE = (240, 240, 240)
GREY = (128, 128, 128)
LIGHTGREEN = (0,25,51)
LIGHTGREY = (224, 224, 224)
PURPLE1 = (204, 153, 255)
DARKPURPLE = (51,0,102)
LIGHTBLUE = (153, 153, 255)
DARKBLUE = (3,18,111)
def rocket(y):
    pygame.draw.ellipse(screen, GREY1, [201,101+y,100,250])
    pygame.draw.ellipse(screen, BLUE, [227,186+y,47,47])
    pygame.draw.ellipse(screen, DRKGREY, [225,185+y,50,50], 4)
    pygame.draw.polygon(screen, DRKGREY, [[230,340+y],
[220,360+y], [270,340+y]]
    pygame.draw.polygon(screen, DRKGREY, [[270,340+y],
[220,360+y], [280,360+y]]
    #Fire
    pygame.draw.polygon(screen, ORANGE, [[220,360+y],
[280,360+y], [250,430+y]]
```

```
pygame.draw.polygon(screen, LIGHTYELLOW, [[230,360+y],
[270,360+y], [250,420+y]]
    pygame.draw.polygon(screen, RED, [[210,300+y], [200,360+y],
[230,340+y]]
    pygame.draw.polygon(screen, RED, [[210,300+y], [190,340+y],
[200,360+y]]
    pygame.draw.polygon(screen, RED, [[200,360+y], [190,340+y],
[190,390+y]]
    pygame.draw.polygon(screen, RED, [[290,300+y], [270,340+y],
[300,360+y]]
    pygame.draw.polygon(screen, RED, [[290,300+y], [300,360+y],
[310,340+y]]
    pygame.draw.polygon(screen, RED, [[310,340+y], [300,360+y],
[310,390+y]])
    pygame.draw.polygon(screen, RED, [[245,300+y], [255,300+y],
[250,390+y]
    pygame.draw.line(screen, RED, [208, 158+y], [292, 158+y], 7)
    font = pygame.font.SysFont('Bell Gothic Std Black', 25,
True, False)
    text = font.render("F",True,PURPLE)
    screen.blit(text, [246, 240+y])
    text = font.render("S",True,PURPLE)
    screen.blit(text, [246, 260+y])
    text = font.render("3",True,PURPLE)
    screen.blit(text, [246, 280+y])
pygame.init()
size = (639, 399)
screen = pygame.display.set_mode(size)
pygame.display.set_caption("My Rocketship")
```

```
done = False
clock = pygame.time.Clock()
ellipse_x=201
ellipse_y = 101
#-----Countdown loop-----
count =10
 # ----- Main Program Loop -----
while not done:
    # --- Main event loop
    for event in pygame.event.get():
        if event.type == pygame.QUIT:
           done = True
    # --- Game logic should go here
    # --- Drawing code should go here
     # First, clear the screen to white. Don't put other drawing
commands
    # above this, or they will be erased with this command.
    screen.fill(WHITE)
    font = pygame.font.SysFont('Source Code Pro', 300, True,
False)
    secondFont = pygame.font.SysFont('Source Code Pro', 75,
True, False)
     # Render the text. "True" means anti-aliased text.
     # Black is the color. The variable BLACK was defined
     # above as a list of [0, 0, 0]
     # Note: This line creates an image of the letters,
     # but does not put it on the screen yet.
```

```
if count<0:
        done=True
    else:
        text = font.render(str(count),True,BLACK)
    count=count-1
     # Put the image of the text on the screen at 250x250
    screen.blit(text, [250, 150])
    afterText = secondFont.render(str("Time untill
LIFTOFF:"),True,RED)
    screen.blit(afterText, [20, 50])
     # --- Go ahead and update the screen with what we've drawn.
    pygame.display.flip()
     # --- Limit to 60 frames per second
    clock.tick(1)
    if count==0:
        done=True
done=False
ellipse_x = 201
ellipse_y = 101
#for a in range(100):
    clock.tick(60)
i=1
#-----Scene 1 loop-----
for ellipse_y in range(399,-200,-10):
    screen.fill(BLACK)
    #Background
    pygame.draw.rect(screen, SKYBLUE, [0,0,699,390],0)
    pygame.draw.rect(screen, YELLOWGREEN, [0,320,699,399],0)
```

```
pygame.draw.ellipse(screen, LIGHTWHITE, [100,45,48,42], 0)
    pygame.draw.ellipse(screen, LIGHTWHITE, [130,35,48,42], 0)
    pygame.draw.ellipse(screen, LIGHTWHITE, [150,45,48,42], 0)
    pygame.draw.ellipse(screen, LIGHTWHITE, [130,50,48,42], 0)
    pygame.draw.ellipse(screen, LIGHTWHITE, [460,45,48,42], 0)
    pygame.draw.ellipse(screen, LIGHTWHITE, [490,35,48,42], 0)
    pygame.draw.ellipse(screen, LIGHTWHITE, [520,45,48,42], 0)
    pygame.draw.ellipse(screen, LIGHTWHITE, [550,42,48,42], 0)
    #NASA Building
    pygame.draw.rect(screen, LIGHTGREEN, [500, 170, 540, 190], 0)
    pygame.draw.line(screen, LIGHTGREY, [500, 220], [699, 220],
2)
    pygame.draw.rect(screen,LIGHTGREY,[540,228,105,130],2)
    pygame.draw.line(screen, LIGHTGREY, [592, 228], [592, 356],
2)
    #Rocketship Stand
    pygame.draw.rect(screen,DARKPURPLE,[0,50,20,349],0)
pygame.draw.polygon(screen, LIGHTBLACK, [[0,50], [10,20], [20,50]], 0
    pygame.draw.rect(screen, GREY, [0, 389, 400, 10], 0)
    pygame.draw.rect(screen, DARKPURPLE, [50,50,10,340],0)
    pygame.draw.rect(screen, GREY, [0,50,60,10],0)
    pygame.draw.line(screen, GREY, [20,60], [50,100], 5)
    pygame.draw.line(screen, GREY, [20,100], [50,60],5)
    pygame.draw.line(screen, GREY, [20,100], [50,140], 5)
    pygame.draw.line(screen, GREY, [20,140], [50,100], 5)
    pygame.draw.line(screen, GREY, [20,140], [50,180], 5)
    pygame.draw.line(screen, GREY, [20, 180], [50, 140], 5)
    pygame.draw.line(screen, GREY, [20, 180], [50, 220], 5)
    pygame.draw.line(screen, GREY, [20,220], [50,180], 5)
    pygame.draw.line(screen, GREY, [20,220], [50,260],5)
    pygame.draw.line(screen, GREY, [20, 260], [50, 220], 5)
    pygame.draw.line(screen, GREY, [20, 260], [50, 300], 5)
    pygame.draw.line(screen, GREY, [20,300], [50,260],5)
    pygame.draw.line(screen, GREY, [20,300], [50,340],5)
    pygame.draw.line(screen, GREY, [20,340], [50,300],5)
```

```
pygame.draw.line(screen, GREY, [20,340], [50,380],5)
    pygame.draw.line(screen, GREY, [20,380], [50,340],5)
    pygame.draw.rect(screen, GREY, [0,380,60,10],0)
    pygame.draw.rect(screen,LIGHTBLUE,[120,350,65,39],0)
    pygame.draw.rect(screen,LIGHTBLUE,[315,350,85,39],0)
    pygame.draw.line(screen,LIGHTGREEN, [60,352],[120,352],5)
    pygame.draw.line(screen,LIGHTGREEN, [60,386],[120,386],5)
    pygame.draw.line(screen,LIGHTGREEN, [60,370],[120,370],5)
    pygame.draw.line(screen,LIGHTGREEN, [62,352],[62,386],5)
    pygame.draw.rect(screen, GREY, [60, 200, 130, 20], 0)
    font = pygame.font.SysFont('Calibri', 25, True, False)
    text = font.render("NASA",True,LIGHTGREY)
    screen.blit(text, [560, 200])
    #Rocketship
    rocket(ellipse_y)
    pygame.display.flip()
    if i==1:
        clock.tick(1);
        i=2
    else:
        clock.tick(60)
#----start of scene 2
for ellipse_y in range(399,-200,-10):
    screen.fill(SKYBLUE)
    #Background
    pygame.draw.ellipse(screen, LIGHTGREY, [100,45,48,44], 0)
    pygame.draw.ellipse(screen, LIGHTGREY, [130,35,48,44], 0)
    pygame.draw.ellipse(screen, LIGHTGREY, [150,45,48,44], 0)
    pygame.draw.ellipse(screen, LIGHTGREY, [130,50,48,44], 0)
    pygame.draw.ellipse(screen, LIGHTGREY, [460,45,48,44], 0)
```

```
pygame.draw.ellipse(screen, LIGHTGREY, [490,35,48,44], 0)
    pygame.draw.ellipse(screen, LIGHTGREY, [520,45,48,44], 0)
    pygame.draw.ellipse(screen, LIGHTGREY, [550,42,48,44], 0)
    pygame.draw.ellipse(screen, LIGHTGREY, [100,250,48,44], 0)
    pygame.draw.ellipse(screen, LIGHTGREY, [130,240,48,44], 0)
    pygame.draw.ellipse(screen, LIGHTGREY, [150,250,48,44], 0)
    pygame.draw.ellipse(screen, LIGHTGREY, [130,240,48,44], 0)
    pygame.draw.ellipse(screen, LIGHTGREY, [460,250,48,44], 0)
   pygame.draw.ellipse(screen, LIGHTGREY, [490,240,48,44], 0)
    pygame.draw.ellipse(screen, LIGHTGREY, [520,250,48,44], 0)
    pygame.draw.ellipse(screen, LIGHTGREY, [550,240,48,44], 0)
    #Rocketship
    rocket(ellipse_y)
   ellipse_y -= 10
   pygame.display.flip()
   clock.tick(60)
#-----Start of scene 3
for ellipse_y in range(399,-200,-10):
    screen.fill(SKYBLUE)
    #Background
   pygame.draw.ellipse(screen, LIGHTGREY, [150,80,48,44], 0)
    pygame.draw.ellipse(screen, LIGHTGREY, [180,70,48,44], 0)
   pygame.draw.ellipse(screen, LIGHTGREY, [200,80,48,44], 0)
    pygame.draw.ellipse(screen, LIGHTGREY, [180,90,48,44], 0)
    pygame.draw.ellipse(screen, LIGHTGREY, [200,250,48,44], 0)
   pygame.draw.ellipse(screen, LIGHTGREY, [230,240,48,44], 0)
    pygame.draw.ellipse(screen, LIGHTGREY, [250,250,48,44], 0)
   pygame.draw.ellipse(screen, LIGHTGREY, [230,240,48,44], 0)
    pygame.draw.ellipse(screen, LIGHTGREY, [460,200,48,44], 0)
   pygame.draw.ellipse(screen, LIGHTGREY, [490,190,48,44], 0)
    pygame.draw.ellipse(screen, LIGHTGREY, [520,200,48,44], 0)
    pygame.draw.ellipse(screen, LIGHTGREY, [550,190,48,44], 0)
```

```
#Rocketship
   rocket(ellipse_y)
   ellipse_y -= 10
   pygame.display.flip()
   clock.tick(60)
    #-----Start of scene 4
for ellipse_y in range(399,-200,-10):
   screen.fill(LIGHTBLUE)
   #Background
   pygame.draw.ellipse(screen, LIGHTGREY, [300,250,48,44], 0)
   pygame.draw.ellipse(screen, LIGHTGREY, [330,240,48,44], 0)
   pygame.draw.ellipse(screen, LIGHTGREY, [350,250,48,44], 0)
   pygame.draw.ellipse(screen, LIGHTGREY, [330,240,48,44], 0)
   pygame.draw.ellipse(screen, LIGHTGREY, [440,210,48,44], 0)
   pygame.draw.ellipse(screen, LIGHTGREY, [470,200,48,44], 0)
   pygame.draw.ellipse(screen, LIGHTGREY, [500,210,48,44], 0)
   pygame.draw.ellipse(screen, LIGHTGREY, [530,200,48,44], 0)
   #Rocketship
   rocket(ellipse_y)
   ellipse_y -= 10
   pygame.display.flip()
   clock.tick(60)
#-----Start of scene 5
for ellipse_y in range(399,-200,-10):
   screen.fill(LIGHTBLUE)
   #Rocketship
   rocket(ellipse_y)
```

```
ellipse_y -= 10
   pygame.display.flip()
   clock.tick(60)
#-----Start of scene 6
for ellipse_y in range(399,-200,-10):
   screen.fill(BLUE)
   #Rocketship
   rocket(ellipse_y)
   ellipse_y -= 10
   pygame.display.flip()
   clock.tick(60)
#----Start of scene 7
for ellipse_y in range(399,-200,-10):
   screen.fill(DARKBLUE)
   #Rocketship
   rocket(ellipse_y)
   ellipse_y -= 10
   pygame.display.flip()
   clock.tick(60)
#----Start of scene 8
for ellipse_y in range(399,-200,-10):
   screen.fill(LIGHTBLACK)
   #Rocketship
   rocket(ellipse_y)
   ellipse_y -= 10
```

```
pygame.display.flip()
   clock.tick(60)
#-----Start of scene 9
for ellipse_y in range(399,-200,-10):
   screen.fill(BLACK)
   #Rocketship
   rocket(ellipse_y)
   ellipse_y -= 10
   pygame.display.flip()
   clock.tick(60)
#-----Start of scene 10
for ellipse_y in range(399,-200,-10):
   screen.fill(BLACK)
   #Background
   pygame.draw.circle(screen, WHITE, [400, -100], 150)
   #Rocketship
   rocket(ellipse_y)
   ellipse_y -= 5
   pygame.display.flip()
   clock.tick(60)
#-----Start of scene 10
for ellipse_y in range(399,-200,-10):
   screen.fill(BLACK)
   #Background
   pygame.draw.circle(screen, WHITE, [400, -50], 200)
```

```
#Rocketship
   rocket(ellipse_y)
   ellipse_y -= 5
   pygame.display.flip()
   clock.tick(60)
#-----Start of scene 11
for ellipse_y in range(399,-200,-10):
   screen.fill(BLACK)
   #Background
   pygame.draw.circle(screen, WHITE, [420, -20], 250)
   #Rocketship
   rocket(ellipse_y)
   ellipse_y -= 5
   pygame.display.flip()
   clock.tick(60)
#-----Start of scene 12
for ellipse_y in range(399,-200,-10):
   screen.fill(BLACK)
   #Background
   pygame.draw.circle(screen, WHITE, [260, 150], 250)
   #Rocketship
   rocket(ellipse_y)
   ellipse_y -= 50
   pygame.display.flip()
```

```
clock.tick(60)
#-----Start of scene 13
for ellipse_y in range(399,-200,-10):
    screen.fill(BLACK)
    #Background
    pygame.draw.circle(screen, WHITE, [260, 150], 1)
   pygame.draw.circle(screen, WHITE, [313, 333], 1)
    pygame.draw.circle(screen, WHITE, [599, 330], 1)
    pygame.draw.circle(screen, WHITE, [276, 189], 1)
   pygame.draw.circle(screen, WHITE, [623, 276], 1)
    pygame.draw.circle(screen, WHITE, [521, 59], 1)
    pygame.draw.circle(screen, WHITE, [83, 111], 1)
    pygame.draw.circle(screen, WHITE, [201, 33], 1)
   pygame.draw.circle(screen, WHITE, [55, 340], 1)
    pygame.draw.circle(screen, WHITE, [99, 209], 1)
   pygame.draw.circle(screen, WHITE, [159, 112], 1)
   #Rocketship
    rocket(ellipse_y)
   ellipse_y -= 5
   pygame.display.flip()
   clock.tick(60)
#-----Start of scene 14
for ellipse_y in range(399,-200,-10):
    screen.fill(BLACK)
   #Background
    pygame.draw.circle(screen, ORANGE, [250, -50], 150)
   pygame.draw.circle(screen, WHITE, [260, 150], 1)
   pygame.draw.circle(screen, WHITE, [313, 333], 1)
    pygame.draw.circle(screen, WHITE, [599, 330], 1)
    pygame.draw.circle(screen, WHITE, [276, 189], 1)
```

```
pygame.draw.circle(screen, WHITE, [521, 59], 1)
   pygame.draw.circle(screen, WHITE, [83, 111], 1)
   pygame.draw.circle(screen, WHITE, [55, 340], 1)
   pygame.draw.circle(screen, WHITE, [99, 209], 1)
   pygame.draw.circle(screen, WHITE, [159, 112], 1)
   #Rocketship
   rocket(ellipse_y)
   ellipse y -= 5
   pygame.display.flip()
   clock.tick(60)
#-----Start of scene 15
for ellipse_y in range(399,-200,-10):
   screen.fill(BLACK)
   #Background
   pygame.draw.circle(screen, ORANGE, [250, -10], 200)
   pygame.draw.circle(screen, WHITE, [213, 370], 1)
   pygame.draw.circle(screen, WHITE, [599, 330], 1)
   pygame.draw.circle(screen, WHITE, [623, 276], 1)
   pygame.draw.circle(screen, WHITE, [521, 59], 1)
   #Rocketship
   rocket(ellipse_y)
   ellipse_y -= 5
   pygame.display.flip()
   clock.tick(60)
#-----Start of scene 16
for ellipse_y in range(399,-200,-10):
```

pygame.draw.circle(screen, WHITE, [623, 276], 1)

```
screen.fill(BLACK)
    #Background
    pygame.draw.circle(screen, ORANGE, [250, 150], 250)
    #Rocketship
    rocket(ellipse_y)
   ellipse_y -= 50
   pygame.display.flip()
    clock.tick(60)
#-----Start of scene 17
for ellipse_y in range(399,-200,-10):
    screen.fill(BLACK)
    #Background
   pygame.draw.rect(screen, ORANGE, [0, 350, 660, 60])
   #Rocketship
    pygame.draw.ellipse(screen, GREY1, [201,101,100,250])
    pygame.draw.ellipse(screen, BLUE, [227,186,47,47])
   pygame.draw.ellipse(screen, DRKGREY, [225,185,50,50], 4)
    pygame.draw.polygon(screen, DRKGREY, [[230,340], [220,360],
[270,340]])
    pygame.draw.polygon(screen, DRKGREY, [[270,340], [220,360],
[280,360]])
    pygame.draw.polygon(screen, RED, [[210,300], [200,360],
[230,340]])
    pygame.draw.polygon(screen, RED, [[210,300], [190,340],
[200,360]]
   pygame.draw.polygon(screen, RED, [[200,360], [190,340],
[190,390]
    pygame.draw.polygon(screen, RED, [[290,300], [270,340],
[300,360]]
```

```
pygame.draw.polygon(screen, RED, [[290,300], [300,360],
[310,340]
    pygame.draw.polygon(screen, RED, [[310,340], [300,360],
[310,390]
   pygame.draw.polygon(screen, RED, [[245,300], [255,300],
[250,390]])
   pygame.draw.line(screen, RED, [208, 158], [292, 158], 7)
   font = pygame.font.SysFont('Bell Gothic Std Black', 25,
True, False)
   text = font.render("F",True,PURPLE)
   screen.blit(text, [246, 240])
   text = font.render("S",True,PURPLE)
   screen.blit(text, [246, 260])
   text = font.render("3",True,PURPLE)
    screen.blit(text, [246, 280])
   #Flag
   pygame.draw.line(screen, GREY, [500, 370], [500, 250], 5)
   pygame.draw.line(screen, SKYBLUE, [550,255], [500, 255], 50)
   pygame.display.flip()
   clock.tick(60)
#----End of scenes
pygame.quit()
```