#Import the libraries

from sense\_hat import SenseHat from time import sleep

#Set up the Sense HAT

sense = SenseHat() sense.set\_rotation(270)

#Set up the colour sensor

sense.color.gain = 60 # Set the sensitivity of the sensor sense.color.integration\_cycles = 64 # The interval at which the reading will be taken

#Add colour variables and image

a = (255, 255, 255) # White

b = (105, 105, 105) # DimGray

c = (0, 0, 0) # Black

d = (100, 149, 237) # CornflowerBlue

e = (0, 0, 205) # MediumBlue

f = (25, 25, 112) # MidnightBlue

g = (0, 191, 255) # DeepSkyBlue

h = (0, 255, 255) # Cyan

j = (143, 188, 143) # DarkSeaGreen

k = (46, 139, 87) # SeaGreen

l = (0, 255, 127) # SpringGreen

m = (34, 139, 34) # ForestGreen

n = (154, 205, 50) # YellowGreen

o = (128, 128, 0) # Olive

p = (240, 230, 140) # Khaki

q = (255, 255, 0) # Yellow

r = (184, 134, 11) # DarkGoldenrod

s = (139, 69, 19) # SaddleBrown

t = (255, 140, 0) # DarkOrange

u = (178, 34, 34) # Firebrick

v = (255, 0, 0) # Red

w = (255, 192, 203) # Pink

y = (255, 20, 147) # DeepPink

for i in range (10) :

image1 = [   
  
 q, m, a, v, v, v, v, v,   
 c, q, m, a, v, v, v, v,   
 c, c, q, m, a, a, a, a,   
 c, c, c, q, m, m, m, m,   
 c, c, c, q, m, m, m, m,   
 c, c, q, m, a, a, a, a,   
 c, q, m, a, f, f, f, f,   
 q, m, a, f, f, f, f, f] # FLAG OF SOUTH AFRICA

image2 = [   
  
 w, w, w, w, q, q, q, q,   
 y, y, y, q, q, q, q, q,   
 u, u, u, q, q, q, q, q,   
 t, t ,t, q, q, q, q, q,   
 c, c, c, c, q, q, q, q,   
 c, c, c, c, c, c, c, c,   
 c, c, c, c, c, c, c, c,   
 c, c, c, c, c, c, c, c ] # SUNSET   
  
   
  
image3 = [   
  
f, f, f, f, f, f, f, f,   
f, f, f, f, f, f, f, f,   
a, a, a, c, a, a, a, a,   
a, a, c, c, c, a, a, a,   
a, c, c, c, c, c, a, a,   
c, c, c, c, c, c, c, a,   
m, m, m, m, m, m, m, m,   
m, m, m, m, m, m, m, m] # LESOTHO FLAG   
  
   
  
sense.set\_pixels(image1),   
sleep(1)   
sense.set\_pixels(image2),   
sleep(1)   
sense.set\_pixels(image3),   
sleep(1)

x = (178, 34, 34) # choose your own red, green, blue values between 0 - 255 sense.clear(x)