#Team 2

# Amina Abdullah , Rafal Hussain

# 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

#g = (0, 191, 255) # deepskyblue

q = (255, 255, 0) # yellow

v = (255, 0, 0) # red

l = (0, 255, 127) # springgreen

n = (154, 205, 50) # yellowgreen

m = (34, 139, 34) # ForestGreen

g= (0, 0, 0) # DeepSkyBlue

for i in range(28):

rgb = sense.color # get the colour from the sensor

g = (rgb.red, rgb.green, rgb.blue)

image = [

g, g, g, g, q, q, q, q,

g, g, g, v, g, q, q, q,

g, g, v, q, v, g, q, q,

g, g, g, v, g, g, g, q,

g, g, g, m, m, g, g, g,

g, g, m, m, g, g, g, g,

g, g, g, m, g, g, g, g,

m, m, m, m, m, m, m, m,

]

# Display the image

sense.set\_pixels(image)

sleep(1)

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

sense.clear(x)