# Import necessary libraries

import time

import RPi.GPIO as GPIO # Import GPIO library for Raspberry Pi

# Define GPIO pins for motors and actuators

SPRAYER\_PIN = 17

CUTTER\_PIN = 18

# Set up GPIO mode and pins

GPIO.setmode(GPIO.BCM)

GPIO.setup(SPRAYER\_PIN, GPIO.OUT)

GPIO.setup(CUTTER\_PIN, GPIO.OUT)

def spray\_pesticide():

GPIO.output(SPRAYER\_PIN, GPIO.HIGH)

time.sleep(2) # Spray for 2 seconds

GPIO.output(SPRAYER\_PIN, GPIO.LOW)

def cut\_grass():

GPIO.output(CUTTER\_PIN, GPIO.HIGH)

time.sleep(5) # Cut grass for 5 seconds

GPIO.output(CUTTER\_PIN, GPIO.LOW)

try:

while True:

# Perform periodic tasks

spray\_pesticide()

time.sleep(1) # Wait for 1 second

cut\_grass()

time.sleep(1) # Wait for 1 second

except KeyboardInterrupt:

# Clean up GPIO on Ctrl+C exit

GPIO.cleanup()