

Import RPi.

GPIO as GPIO

Import time

# Define GPIO pins for the relay

Relay\_pin = 17

# Set up GPIO mode

GPIO.setmode(GPIO.BCM)

GPIO.setup(relay\_pin, GPIO.OUT)

# Function to turn on the water pump

Def turn\_on\_pump():

GPIO.output(relay\_pin, GPIO.HIGH)

# Function to turn off the water pump

Def turn\_off\_pump():

GPIO.output(relay\_pin, GPIO.LOW)

Try:

While True:

# You can add code here to check the sensor and trigger the pump

# Example: if sensor detects an object, call turn\_on\_pump()

# Example: if no object detected, call turn\_off\_pump()

Pass

Except KeyboardInterrupt:

GPIO.cleanup()