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| import RPi.GPIO as GPIO  import time import os  import datetime    class MotionDetector: def \_\_init\_\_(self):  GPIO.setmode(GPIO.BOARD)  GPIO.setup(3, GPIO.IN) |
| GPIO.setup(5, GPIO.OUT)    def detect\_motion(self): while True:  val = GPIO.input(3) if val == 1:  GPIO.output(5, GPIO.LOW) print("Motion Not Detected") else:  GPIO.output(5, GPIO.HIGH) print("Motion Detected") self.capture\_image()  time.sleep(3)    def capture\_image(self):  timestamp = datetime.datetime.now().strftime("%Y%m%d%H%M%S") image\_name = f"image\_{timestamp}.jpg"  os.system(f"raspistill -o {image\_name}") # Capture image using the camera module    if \_\_name\_\_ == "\_\_main\_\_":  motion\_detector = MotionDetector()  motion\_detector.detect\_motion() |