import firebase\_admin

from firebase\_admin import credentials, storage

from google.cloud import storage as gcs

from picamera import PiCamera

from time import sleep

# Initialize the PiCamera module

camera = PiCamera()

print("Camera Has Been Enabled....")

# Set the camera resolution

camera.resolution = (1024, 768)

print("Camera Resolution is set to 1024x768....")

# Set the file name of the image to be captured

image\_file\_name = 'rasp.jpg'

print("Setting up image file name....")

# Set the local file path of the image file you want to upload

local\_file\_path = f'/home/hp/Desktop/pi/{image\_file\_name}'

print("Setting up the local file path to pi folder....")

# Wait for the camera to warm up

print("Image is Beign Captured....")

sleep(5)

# Capture the image from the camera

camera.capture(local\_file\_path)

print("Image Has Been Captured Successfully....")

# Load the Firebase service account credentials from a JSON file

cred = credentials.Certificate('/home/hp/Desktop/icps-9cc0a-firebase-adminsdk-8nlxz-c92932012f.json')

print("Accesing the Firebase....")

# Initialize the Firebase app with the service account credentials

firebase\_admin.initialize\_app(cred, {'storageBucket': 'icps-9cc0a.appspot.com'})

# Get a reference to the Firebase storage bucket

bucket = storage.bucket()

print("\* \* \* \*")

# Upload the image file to Firebase storage

blob = bucket.blob(image\_file\_name)

print("\* \* \* \*")

blob.upload\_from\_filename(local\_file\_path)

print(f'{image\_file\_name} uploaded to Firebase Storage.')