

YouTube Link:

<https://youtu.be/CaWppKIAY3o>

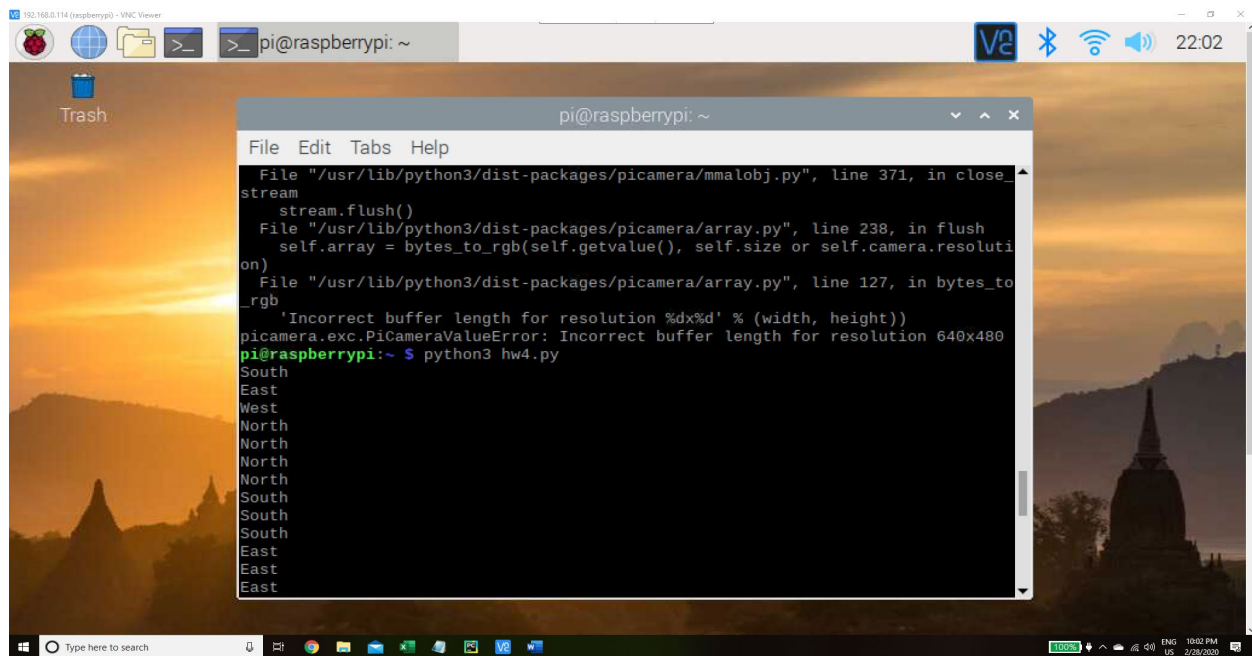
Question1:

**Distance From UV sensor:**



Question 5:

**Snippet:**



The screenshot shows a terminal window on a Raspberry Pi. The terminal displays a Python error message: `picamera.exc.PiCameraValueError: Incorrect buffer length for resolution 640x480`. Below the error, the user has entered `python3 hw4.py`, and the program has output a list of directions: South, East, West, North, North, North, North, South, South, East, East, East.

```
File "/usr/lib/python3/dist-packages/picamera/mmalobj.py", line 371, in close_  
stream  
stream.flush()  
File "/usr/lib/python3/dist-packages/picamera/array.py", line 238, in flush  
self.array = bytes_to_rgb(self.getvalue(), self.size or self.camera.resoluti  
on)  
File "/usr/lib/python3/dist-packages/picamera/array.py", line 127, in bytes_to  
_rgb  
'Incorrect buffer length for resolution %dx%d' % (width, height))  
picamera.exc.PiCameraValueError: Incorrect buffer length for resolution 640x480  
pi@raspberrypi:~ $ python3 hw4.py  
South  
East  
West  
North  
North  
North  
North  
South  
South  
East  
East  
East
```

**Step8:**

