to prove this algorithm will use a simple chess board image. below is a list of step involved in this algorithm

1. convert the image into gray scale for simplicity

2. blur the images to reduce the noise in the image

3. apply canny edge detection and convert the image into series of lines

4. apply dilate to join any disjointed adjacent edges.

5. find the corners point and store them to a list.

6. using these values we can calculate the distances in the image.

## edge detection and distance measurement using opnecv and python