## horizontal line

Task 1 and 2 Readme File

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# Overview

The Task 1 roughly consisted of identifying certain locations of an image and returning the pixel values of those locations

We find the pixel values of the template and then draw a red circle around the template to check how accurately we have located the template.

# Steps

1. Take the source image and create a template image. The template location is the location that you are searching for within a specific image.
2. The pixel coordinates will be found and stored in a CSV file.
3. With these coordinates stored in a csv file one can insert textboxes/hover functionalities etc.

# Implementation Tips

1. The code was written in Python3. Ideally use Jupyter Notebook but any Python IDE would work fine
2. Care should be taken while choosing the template. If the template is completely black or just one solid colour then there is a good chance it won’t work.

## 

## Use Cases

We used this template matching method to find location of the textboxes in PROCESS diagrams and insert text there

## Reference

<https://www.geeksforgeeks.org/template-matching-using-opencv-in-python/>