PROJECT 2

BACKGROUND STITCHING:

- Feature detection was done using SIFT(Scale-invariant Feature Transform)
- Using SSD and Low's ratio test best features and good matches were calculated.
- Then homography matrix was calculated using cv2.findHomography and RANSAC
- Then warp perspective of image 2 was done with respect to image 1 and were stitched together after removing the foreground

Image Panorama:

- Feature detection was done using SIFT(Scale-invariant Feature Transform)
- Overlap reaction was returned as NXN one-hot encode
- Overlap reaction was calculated by first finding the good points between two images and then checking their overlap after finding homogrpahy
- Now one by one each image was taken and image stitching is performed on two images at a time taking first as the final reference image and then the next as image to be stitched using the NXN one-hot encode