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1 #Sydney Arbeiter
2 #CSC 1100
3 #Last updated: 4/5/2022
4 #Last tested: 4/5/2022
5
6 import cv2
7 import os
8 import sys
9
10 images = []
11
12 def main():
13     file_names =
14     ['00.jpg', '01.jpg', '02.jpg', '03.jpg', '04.jpg', '05.jpg', '06.jpg', '07.jpg', '08.jpg', '09
15     .jpg', '10.jpg', '11.jpg']
16     for fname in file_names:
17         image = cv2.imread(fname)
18         if len(image) == 0:
19             # print an error if there is a problem reading in the image and exit the
20             program
21             print('File', fname, 'could not be understood as an image.')
22             exit(1)
23         images.append(image)
24     print('All files read in')
25     key = ''
26     current_index = 0
27     while key != 'q':
28         cv2.imshow('Flipbook', images[current_index])
29         key = chr(cv2.waitKey(0))
30         if key == 's':
31             current_index = current_index + 1
32             if current_index > (len(images) - 1):
33                 current_index = 0
34         if key == 'a':
35             current_index = current_index - 1
36             if current_index < 0:
37                 current_index = (len(images) - 1)
38     cv2.destroyAllWindows()
39
40 if __name__ == "__main__":
41     main()

```