Readme:

Arg 1 :1,2,3,4,5,6

Arg 1 = 1
For training svm model for Task A takes arguments of positive class path and negative class path

Ex: python3 main.py 1 [+ve_class_path] [-ve_class_path]

Arg 1 = 2
For training svm model for Task B takes arguments of open_hand path and close_hand path

Ex: python3 main.py 2 [open_hand_path] [close_hand_path]

Arg 1=3
For volume controle using pretrained svm

Ex: python3 main.py 3 [path_of_pretrained_svm]

Arg 1=4
For images classification using pretrained svm

Ex: python3 main.py 4 [test_data_path] [save_csv_to_path] [path_of_pretrained_svm]

Arg 1=5
For checking the accuracy and plotiong curves

Ex: python3 main.py 5 [open_hand_folders_path] [close_hand_folders_path] [path_of_pretrained_svm]

Arg 1=6:
HOG visualization image saved to same path as main.py

Ex: python3 main.py 6 [path_of_image]

For TASK A model can be downloaded from this link