

COMPUTER VISION (CSCI -631)

Homework-3

Name: Rajkumar Lenin Pillai

Question-1

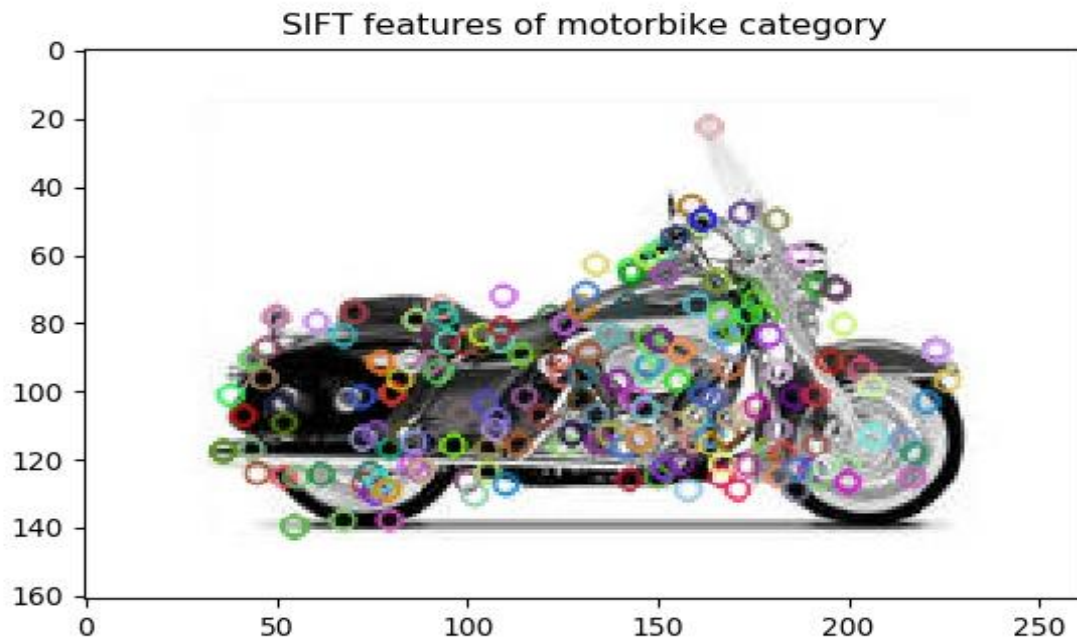
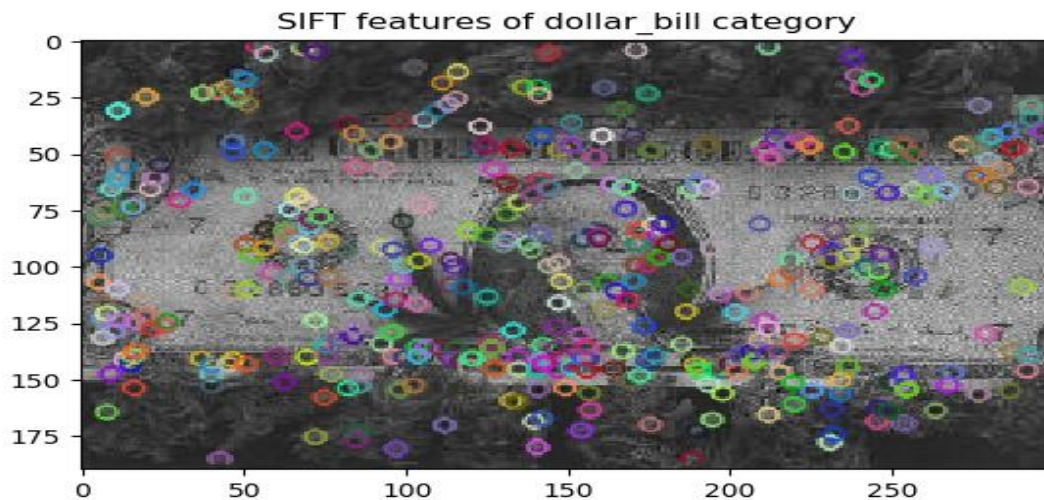
Solution:

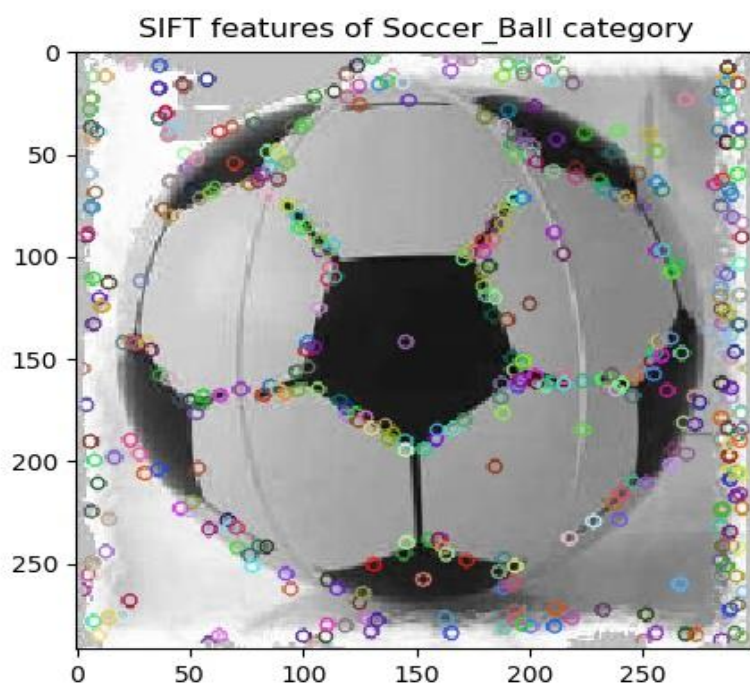
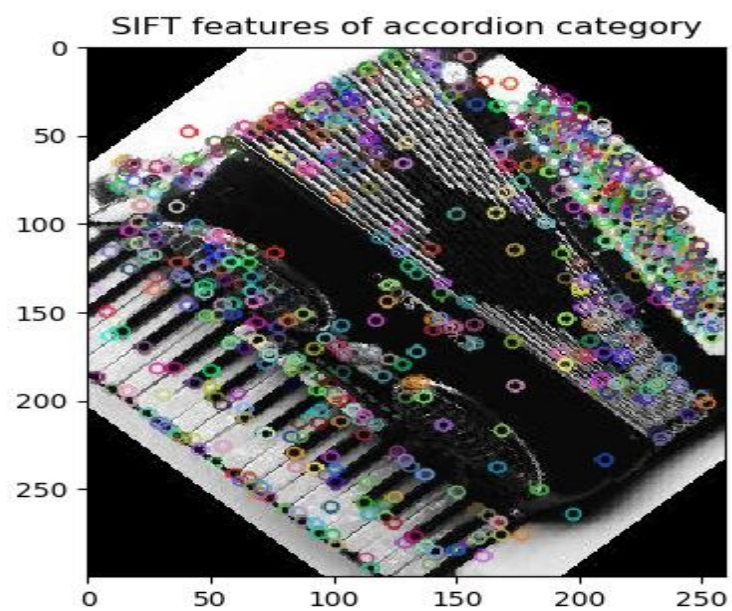
The entire code is present in q1.py file. The “images” folder must also be present in same directory where q1.py file is present.(The “images” folder is provided in the submitted.zip file). Run the code and all plots will be visible.

Question-2

Solution:

Visualization of SIFT features of one image of each category:





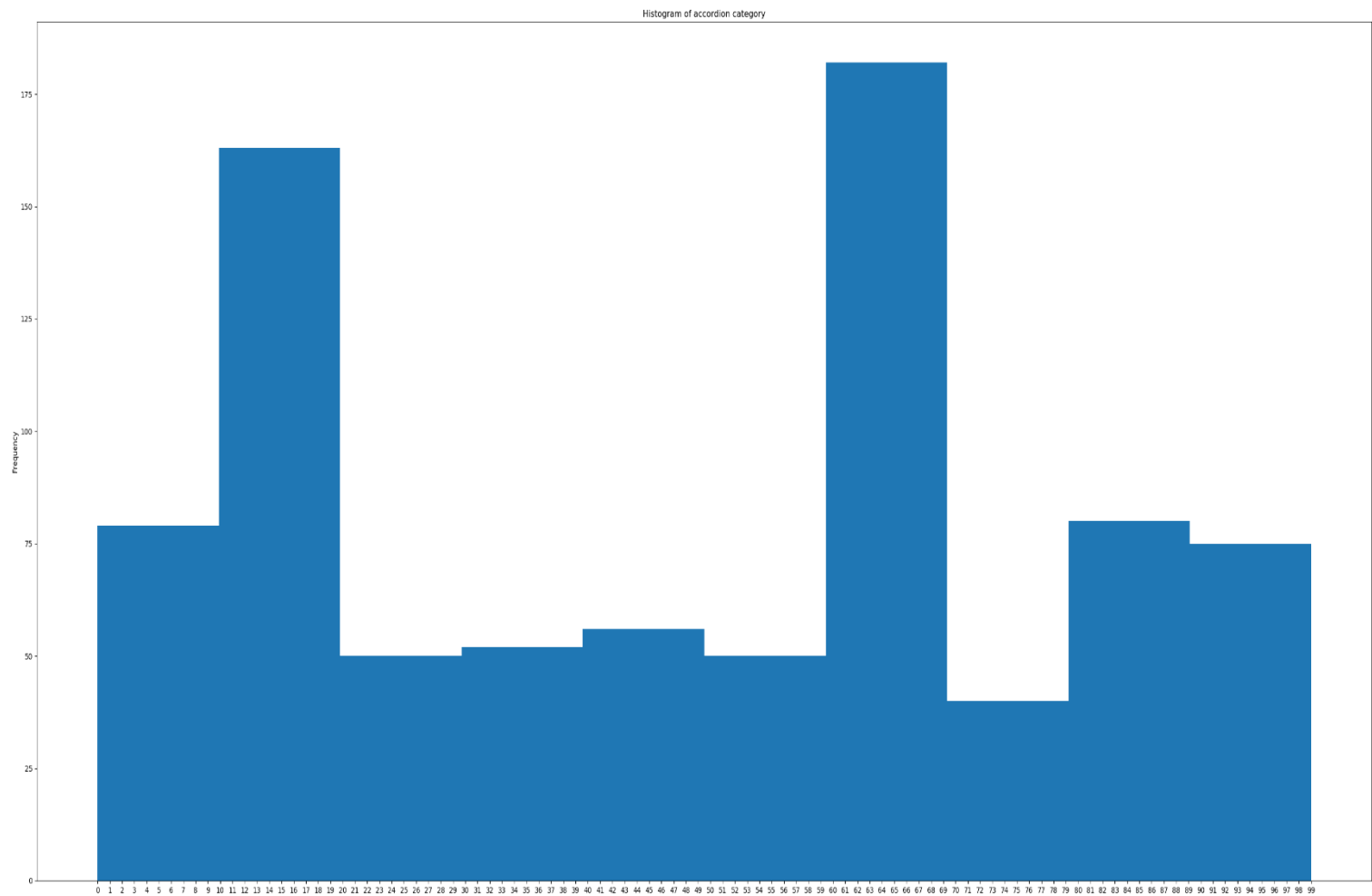
Question-3

Solution:

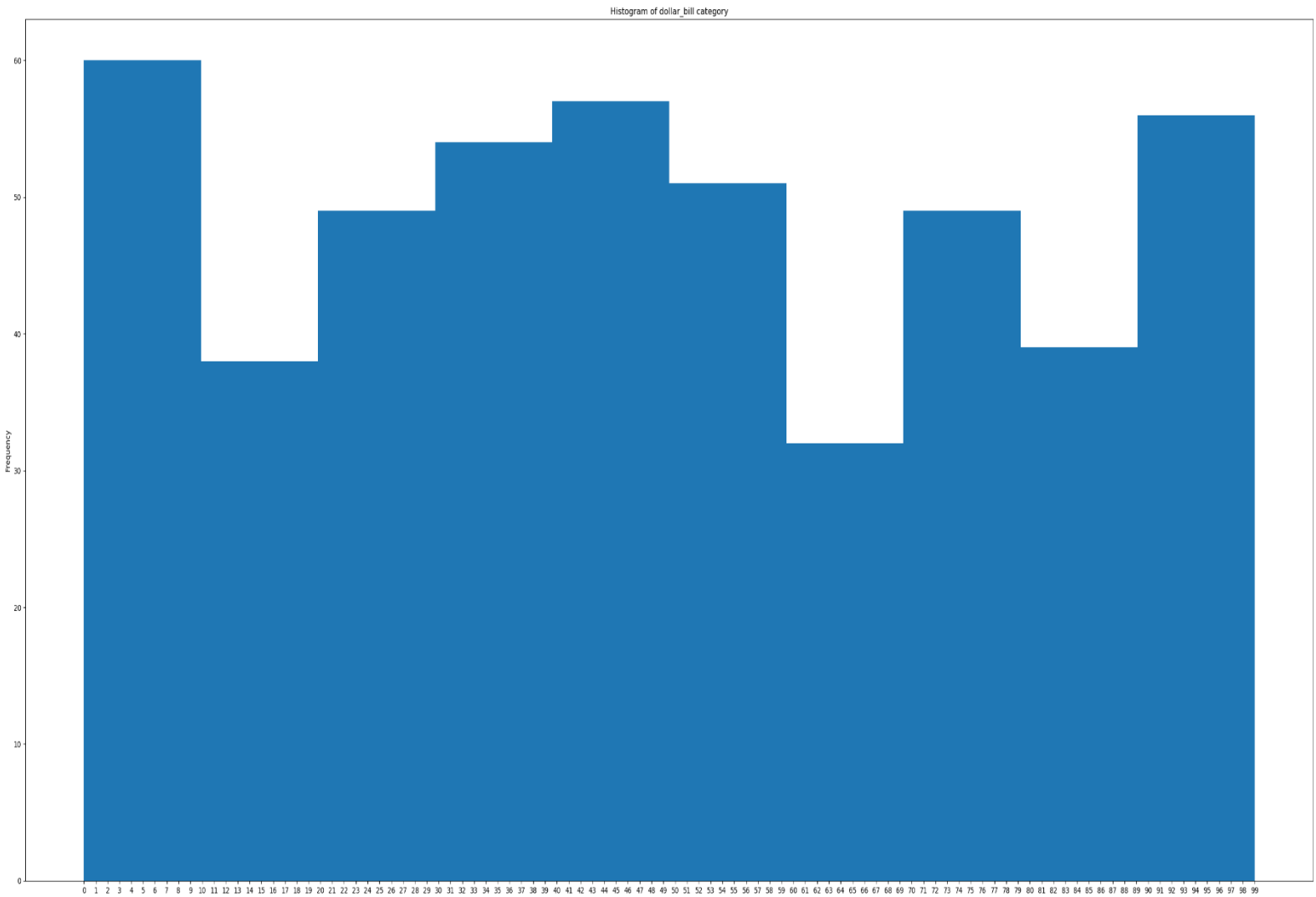
Visualization of Histogram of one image of each category:

The no of clusters chosen is 100

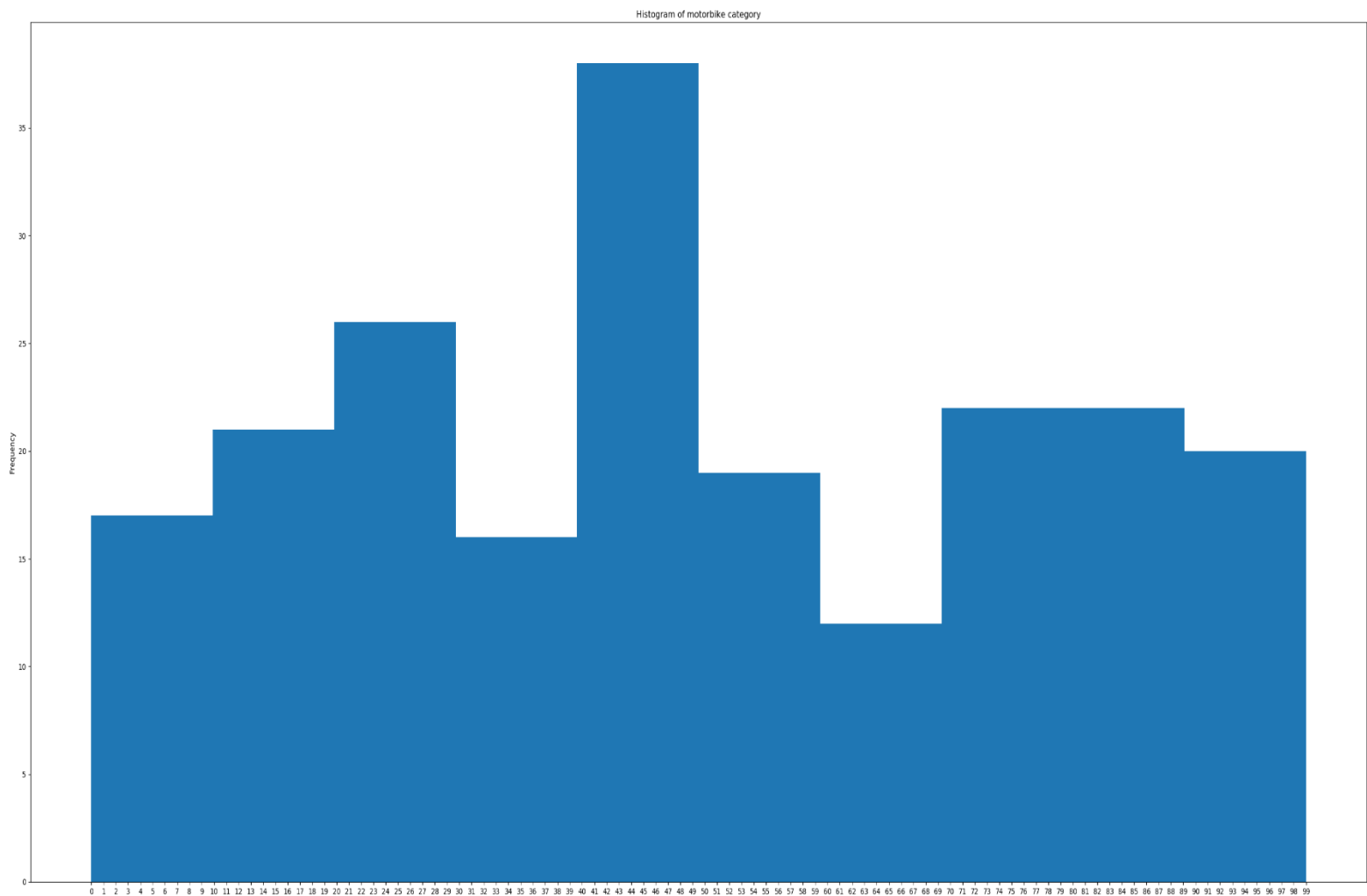
a.) Histogram of accordion category:



b.) Histogram of dollar_bill category:



c.) Histogram of motorbike category:



d.) Histogram of Soccer_ball category:

