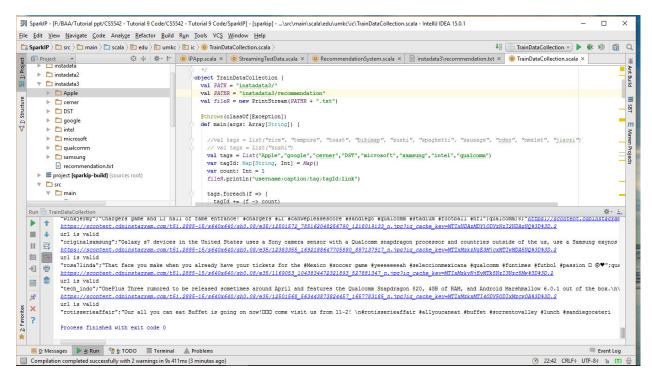
Lab Assignment 9

- 1) Image collection and sentimental analysis based on the image tags using Instagram streaming (related to your project)
- a. Training Datasets: Instagram Streaming/Categorized Image (e.g., Static UEC Food Dataset) and metadata
- b. Testing Datasets e.g., Image, UserGroup, Category, Rating (Instagram streaming)
- 2) Image Classification based on the categories related to your project
- 3) Image-based Recommendation system (related to your own project)
- a. The rating based on sentiment analysis of Instagram metadata
- b. Expected outcome is to make a recommendation based on user image input or profile (e.g., preferences, location, gender, age)
- 4) Instagram trend notification to smartphone/smartwatch
- 5) Mobile Recommendation through smartphone/smartwatch using your ML application

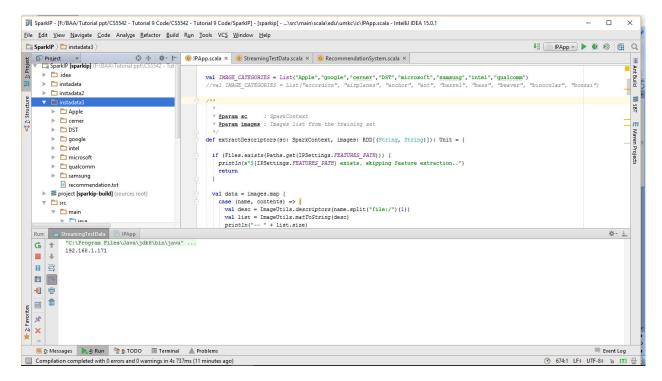
Description:

- 1. With TrainDataCollection.scala I collected image datasets from instagram. The list of tag categories are list of companies(apple,cerner,google,DST,intel,microsoft,qualcomm,samsung).
- 2.I also collected recommendation.txt which contain image tags based on usergroup and image links and is of the format "username;caption;tag;tagId;link"
- 3. Testing data is live streaming data from instagram.
- 4.Image classification and prediction.
- 5. Image Recommendation.

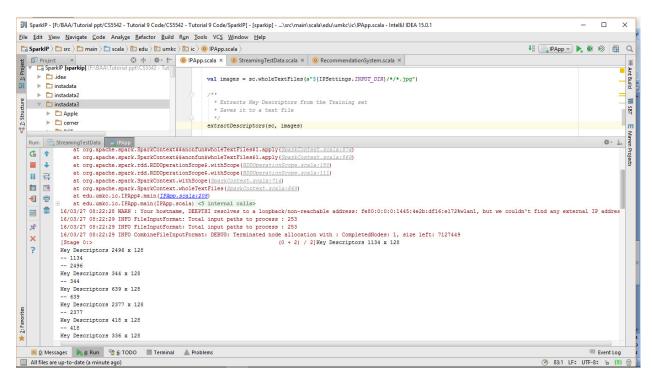
1.Train Data Collection:

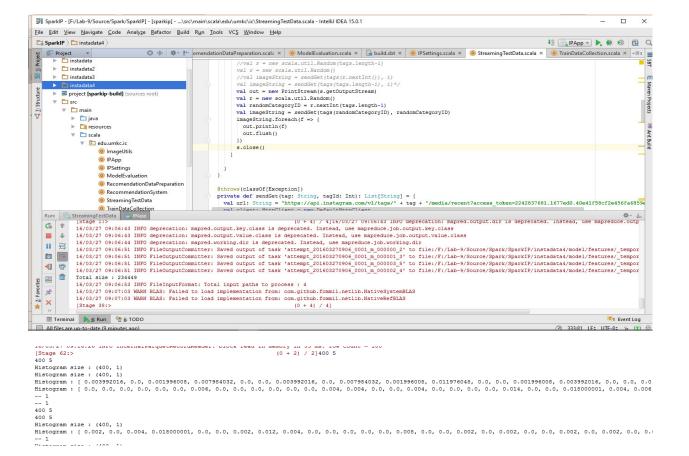


Live stream Data to predict the current image for the particular tags:

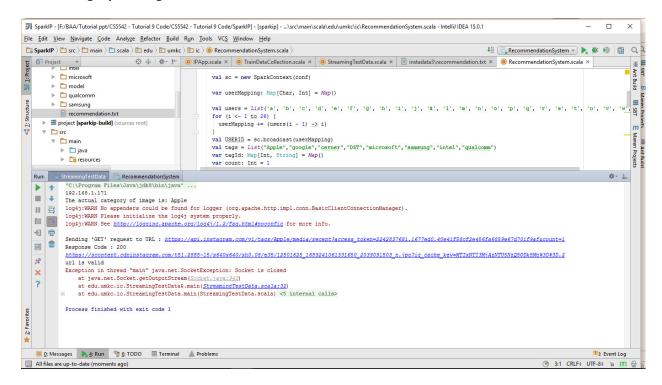


2. Image Classification based on categories:

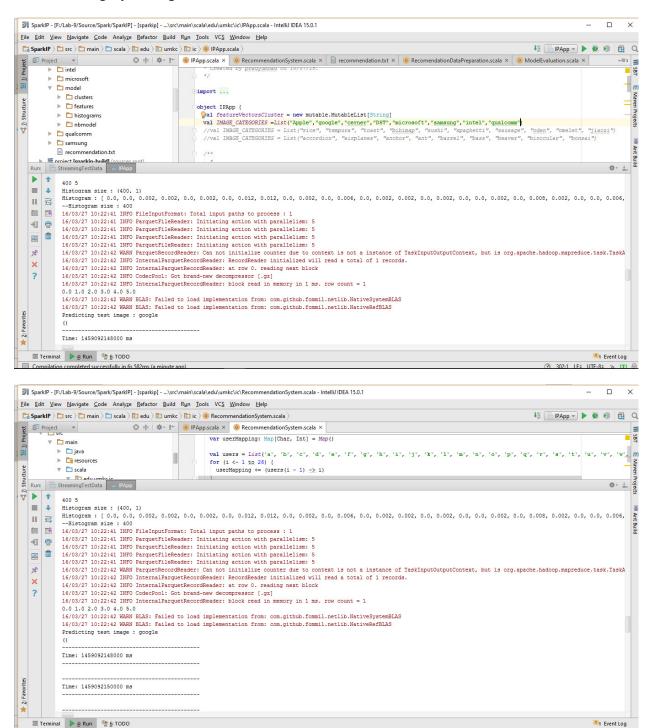




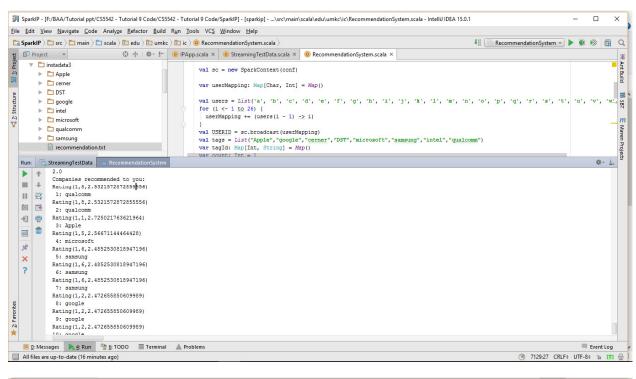
Actual category of image:

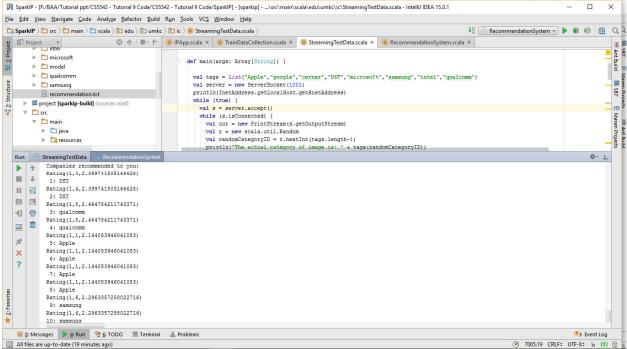


Predicted category of image:



3. Image Recommendation:





4. Mobile Recommendation through smartphone

