**Task 1 Learning Outcomes**

**Sorting Dataset**

* Usage of Pretrained Model (As, I had used resnet50 model )
* Unsupervised Learning
* Classification
* Usage of some Libraries(Unidentified Image Error, Shutil)
* How to extract Zip File Content
* Crating Folders for predicted classes (Make new temporary folder “Classified Images” where I kept data of new classes names as shoes, boot, sandal , and then later on dell that new folder by using shutil)

**Task 2 Learning Outcomes**

**Number Plate Detection**

* What is annotation?
* Methods to do annotation(Diff softwares for doing annotation major for python are Labellmg, Labelbox, LabelMe).
* How to save annotated file in json, xml format.
* I performed number plates detection by using open cv and easyOCR technique.
* For this, I had followed following YouTube link for detecting number plates and it has helped me a lot.
* <https://youtu.be/NApYP_5wlKY>

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