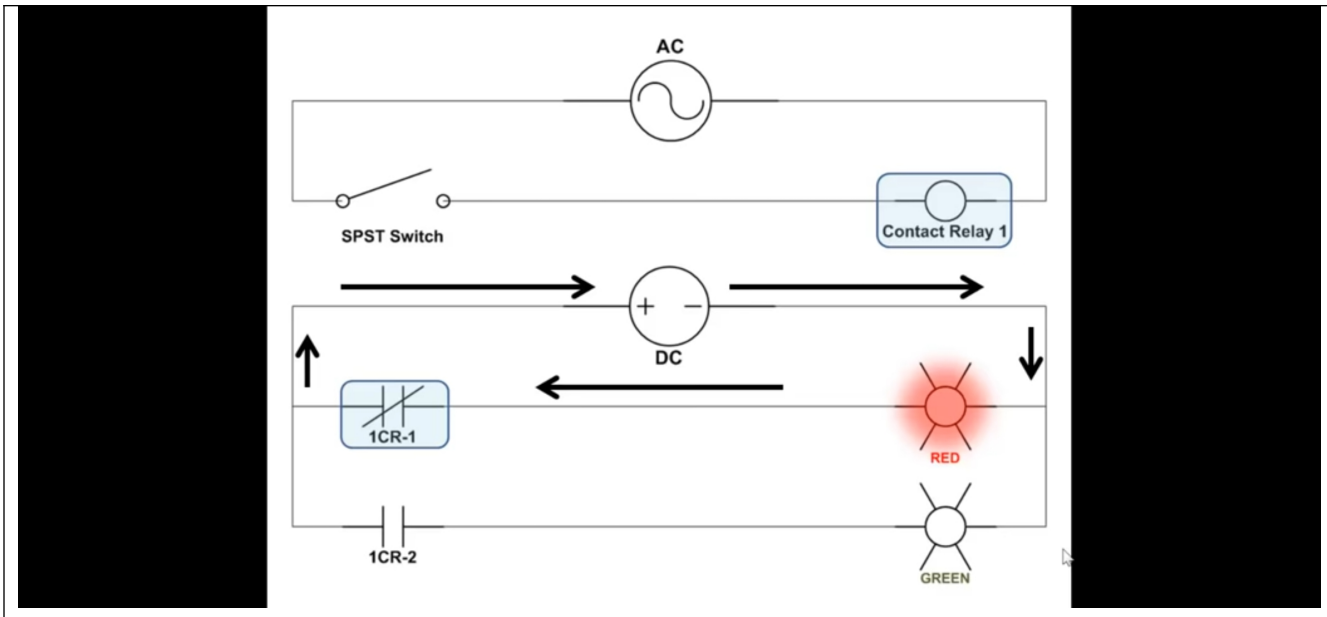
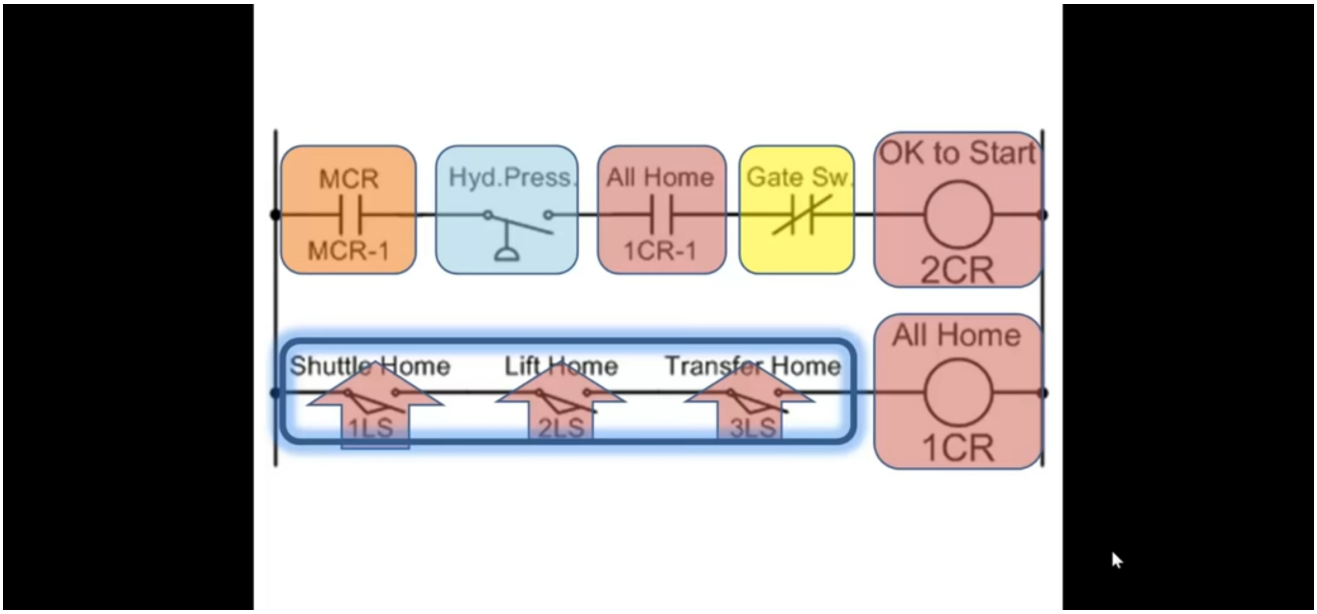
DAILY ASSESSMENT FORMAT

Date:	30-05-2020	Name:	Jagadeesha Hegde
Course:	Logic Design	USN:	4AL17EC036
Topic:	Applications of Programmable logic controllers:	Semester & Section:	6th A-sec
Github Repository:	Jagadeesha-036		

FORENOON SESSION DETAILS
Image of session





Report – Report can be typed or hand written for up to two pages.

Programmable logic controllers:

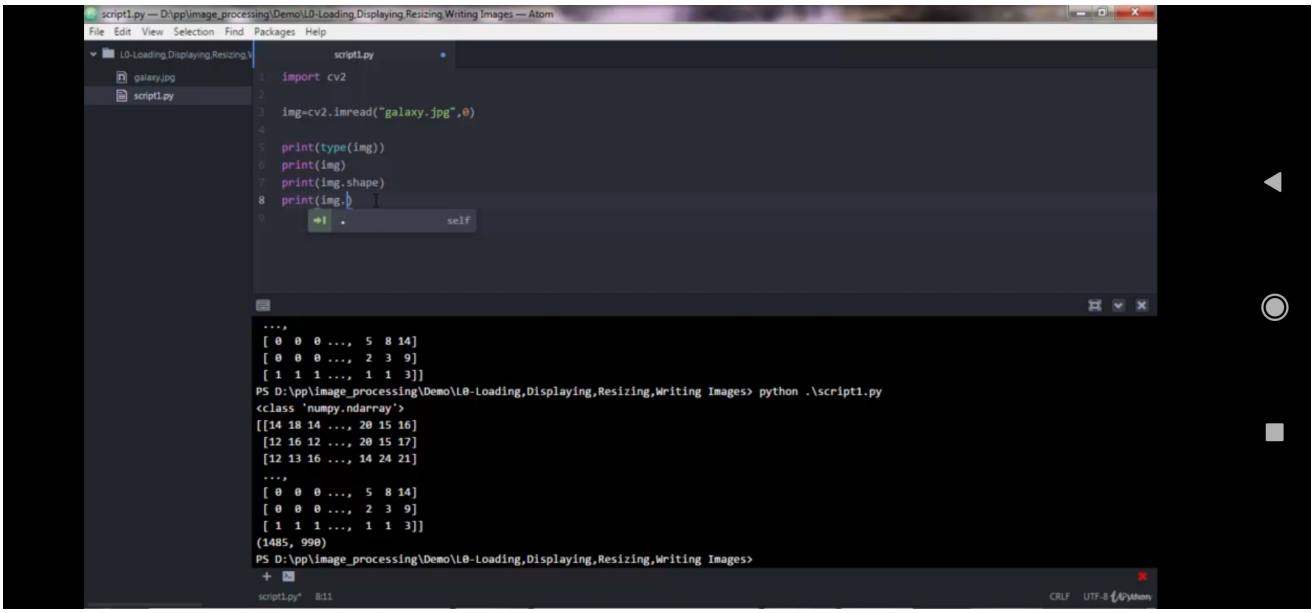
PLC is a special form of microprocessor- based controller. It includes a programmable memory to store instructions and to implement functions such as logic, sequencing, timing, counting.

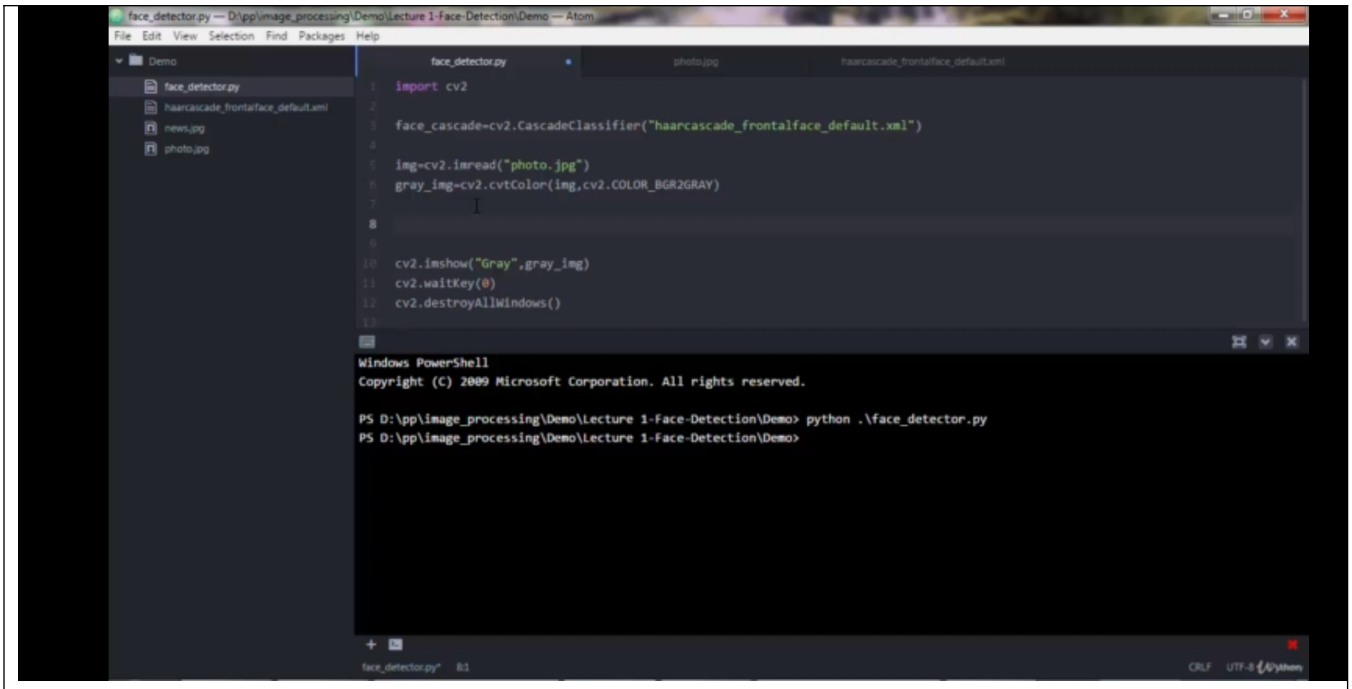
A PLC program is usually written on a computer and then is downloaded to the controller Most PLC programming software offers programming in Ladder Logic, or “C”.

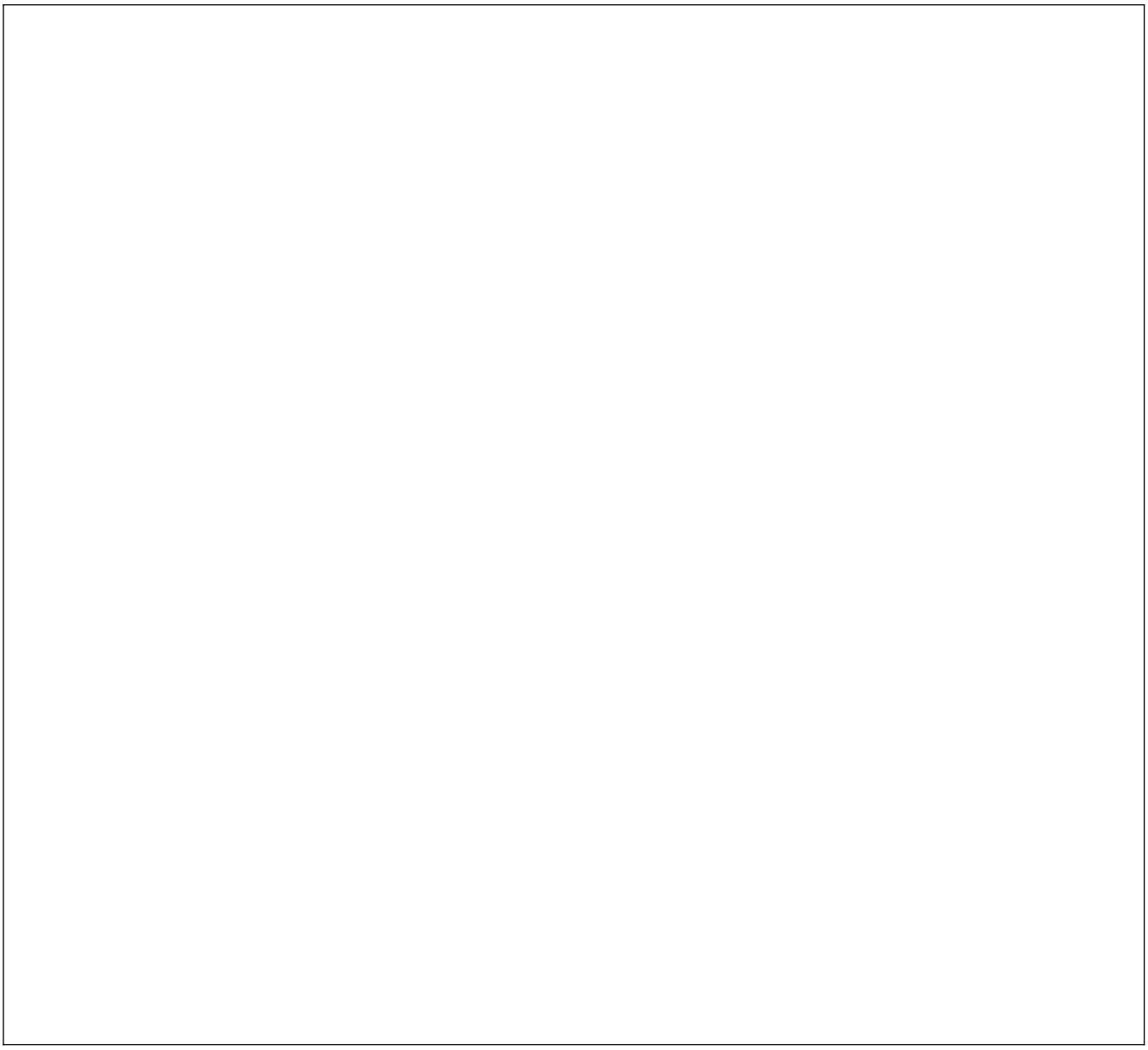
Date:	30-05-2020	Name:	Jagadeesha Hegde
Course:	The Python Mega Course	USN:	4AL17EC036
Topic:	Python for Image and Video Processing with OpenCV	Semester & Section:	6th A-sec

AFTERNOON SESSION DETAILS

Image of session




face_detector.py — D:\pp\image_processing\Demo\Lecture 1-Face-Detection\Demo — Atom
File Edit View Selection Find Packages Help
Demo
face_detector.py
haarcascade_frontalface_default.xml
news.jpg
photo.jpg
face_detector.py
photo.jpg
haarcascade_frontalface_default.xml
import cv2
face_cascade=cv2.CascadeClassifier("haarcascade_frontalface_default.xml")
img=cv2.imread("photo.jpg")
gray_img=cv2.cvtColor(img,cv2.COLOR_BGR2GRAY)
cv2.imshow("Gray",gray_img)
cv2.waitKey(0)
cv2.destroyAllWindows()
Windows PowerShell
Copyright (C) 2009 Microsoft Corporation. All rights reserved.
PS D:\pp\image_processing\Demo\Lecture 1-Face-Detection\Demo> python .\face_detector.py
PS D:\pp\image_processing\Demo\Lecture 1-Face-Detection\Demo>
face_detector.py* 8:1
CRLF
UTF-8

Report – Report can be typed or hand written for up to two pages.

- Processing a video means, performing operations on the video frame by frame. Frames are nothing but just the particular instance of the video in a single point of time. We may have multiple frames even in a single second. Frames can be treated as similar to an image.
- Image Processing − It focuses on image manipulation.
- Pattern Recognition − It explains various techniques to classify patterns.
- Photogrammetry is concerned with obtaining accurate measurements from images.