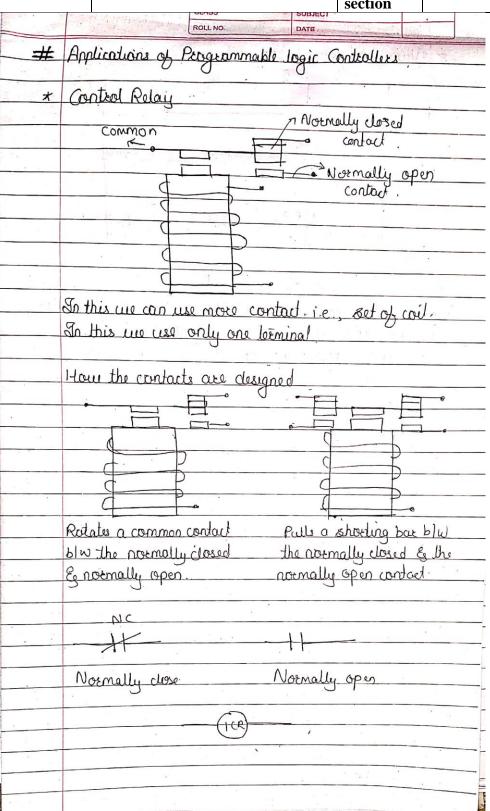
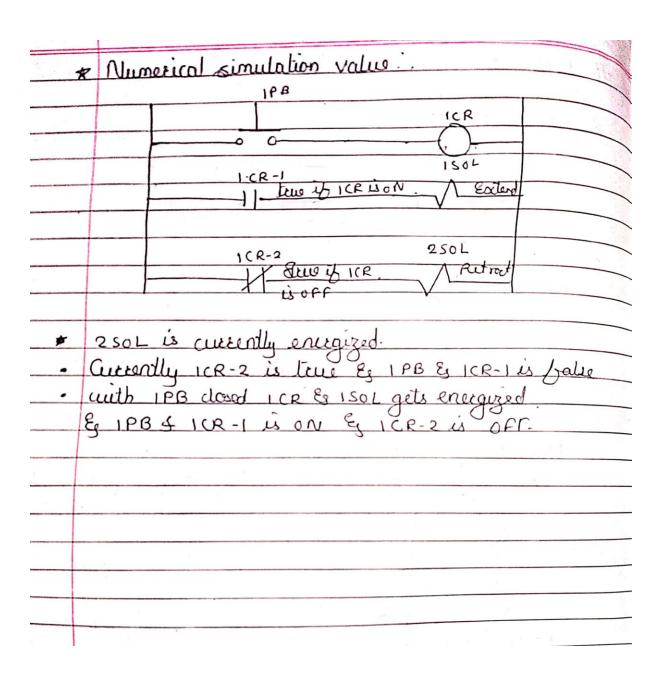
Date:	30-05-2020	Name:	Sushmitha R Naik
Course:	Logic design	USN:	4AL17EC090
Topic:	Application of programmable	Semester	6 th sem, B sec
	logic controllers	and	
		section	





Date:	30-05-2020	Name:	Sushmitha R Naik
Course:	Python programming	USN:	4AL17EC090
Topic:	Python for image and video	Semester	6 th sem, B sec
	processing using open cv	and	
		section	

	Section
	classmate Date
#	Python for Image and Video Processing with OpenCV
•	Installing the library -
	pip enstall opency - python
	import cv2
	ing = cv 2. invead (galaxy. dpg, o)
	print (type (ring))
	print (ing)
,	print (ing shape)
	ptid (ing. ndim)
7	resized_image = cv2. resize (ing, (int (ing, shape[1]12),
	int (ing, shape[0]/2))
	CV 2. mshau ("halaxy", sesized_image)
	CV2. inwite ("galaxy resized. jpg" Eresized image)
	CV2. Mont sent (0)
*	CV2. desteroy All Mindows ()
1	· perface detection -
8	impost cv2
	face_cascade = CV2, cascade Classifier ("hearraxade_frontalface_defautt -> name of the jpg site where the xml")
1	ing = cv2. inited ("photo. jpg") Photo is stored.
	gray_ing=cv2, cutcolox (ing, cv2, color_BGR2GRAY)
7	Laces = Lace_cascade. doted Multiscale (geay ing,
	scale Factor = 1.05. Change this or adjust this.
	minNeighbors =s)



-	
-	for x.y.w.h in focus:
-	ina = (x3 toutous for the car)
	frest (type (faces)) (2,4), (x+w,4+h), (0,255,0),3)
	peint (faces)
	Terro (Jacks)
LAGAL B	texized - cur win Ci (: 1 (:
	lesized = cv2. cesize (ing. (in (ing. shape[1]/3), int(ing. shape[0]/3)
	the felly, earlied
	Cv2, mailkey (o)
	CV2. destroy Allundou ()
	Capturing Video: -
	Videa = 610 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	check frame = video. eed() = a+1:
-	peint (check) _ george cv2. cvt6lor (frame, cv2.color_BGRZGR
_	-peint (frame)
	time. sleep (3) -> how much dues! He wides will play
	cv2, inishow ("Capturing", Hame)
	cv?. waitkey (100) if key == oed ('q');
	rideo, telcaso() Oteak
	CV2. desteoy Allaundous paint (a)
1	
-	
- 23	