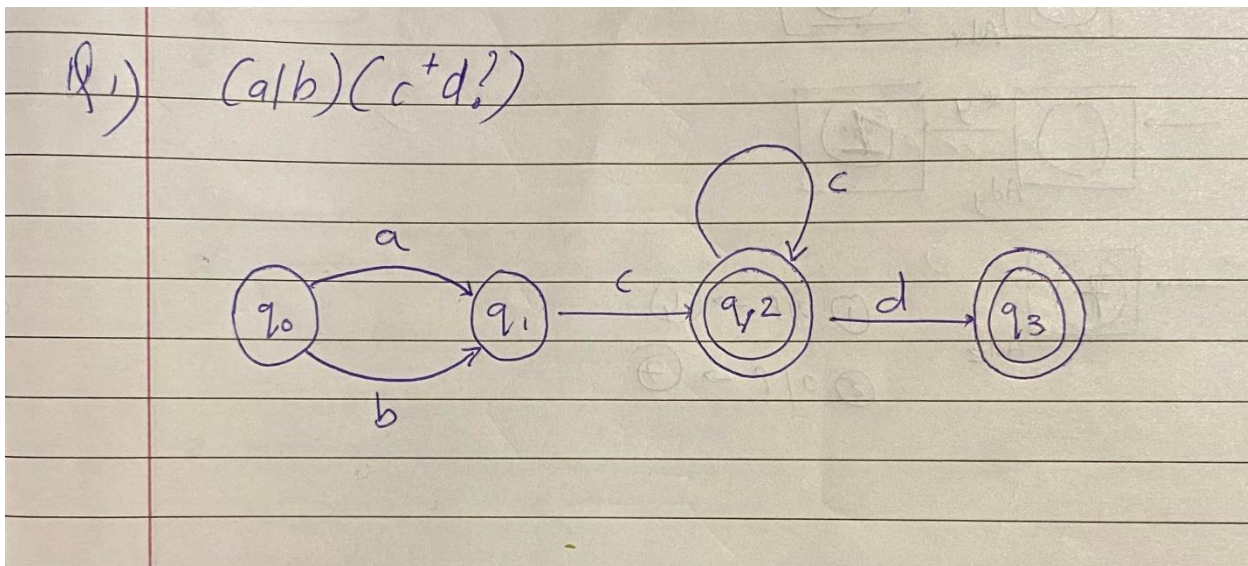


Programming Languages – Assignment 2(Part1)

Group Members:

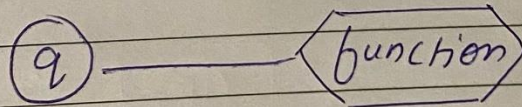
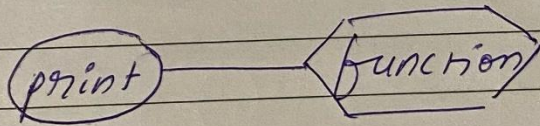
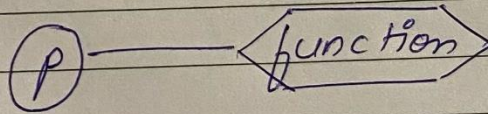
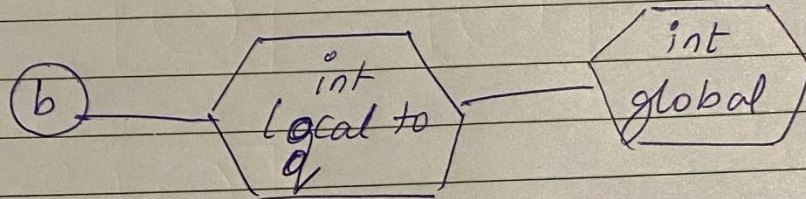
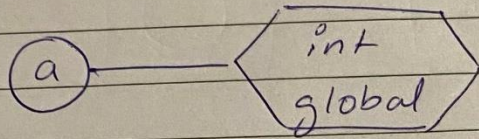
- 1) Rahul Verma (rverma4@binghamton.edu)
- 2) Sudeep Rawat (srawat1@binghamton.edu)

Answer Q1) Draw an automaton that accepts the regular expression $(a|b)(c^+d?)$

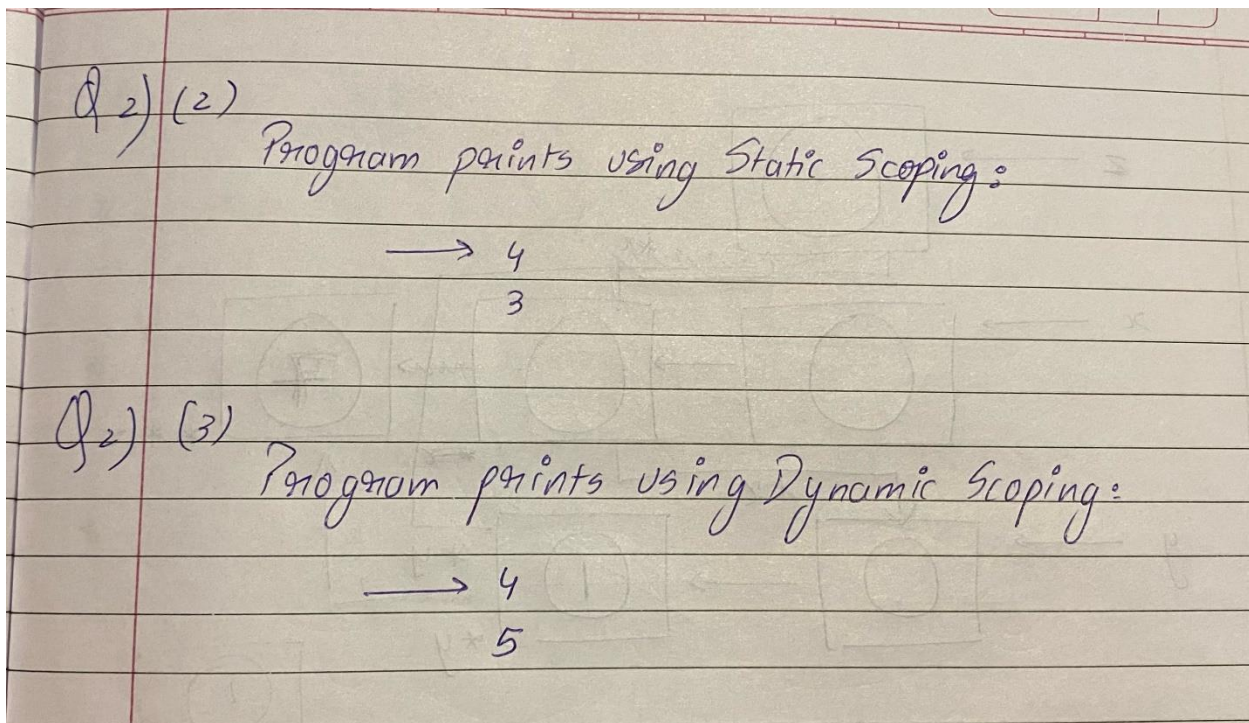


Answer Q2) (1) Draw the symbol table for the C program at point 1 using static scoping.

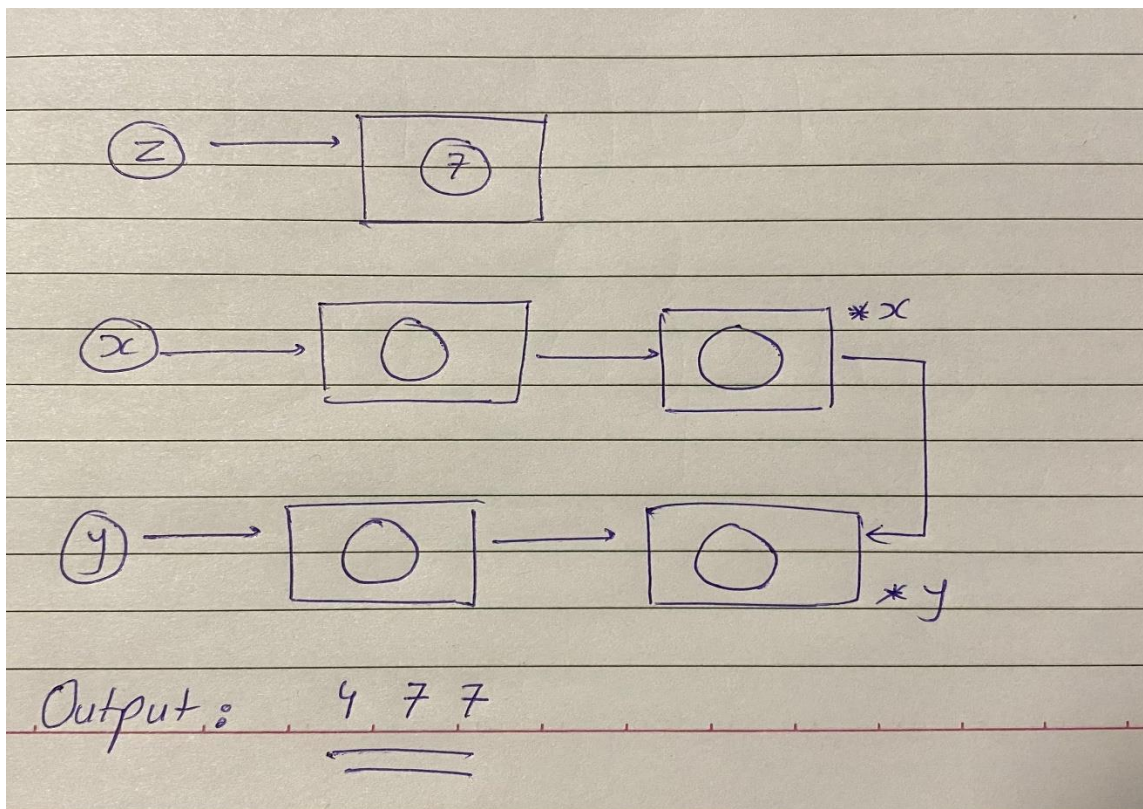
(Q2) 1)



Answer Q2) (2) What does the program print using static scoping? (3) What does the program print using dynamic scoping?



Answer Q3) (1) Draw box and circle diagrams of the variables after line 11. (2) What's the output of the program?



Answer Q4) Give the output of the program using (1) call-by-reference; (2) call-by-name

First Print Statement Output				
	i	a[0]	a[1]	a[2]
Call by Reference	0	1	2	0
Call by Name	0	1	2	0

Second Print Statement Output			
	a[0]	a[1]	a[2]
Call by Reference	0	2	0
Call by Name	0	2	0