ADC
Vaishnari Pawan Vpawan@iu.edu
Assignment 2
Vaishnari Paware Vaishnari Paware Vaushnari Pa
2] Tui, aui, tty, str (Tstr LIKE '% teeth 1/6' n Sab = 'msH' (mrconsu))
3) Thela (Tsab='MSH' (MHHEI)) n Trela (Tsab='SHOMEDCT_US' (MTTE))
4) This will be solved in 3 steps:
Step 2: Alzsyn — Taui, str.sab (Tai E (Mai (Alzai)) (Manonso)) Step 3:
Step 2!
Alzsyn - Maui, str, sab (Tai E (Maui (Alzani)) (Maronso)) Step 3:
Alexalation - TT (Tani E (Tani (Aleani)) V Taniz E (Tani (Aleani)) (mrrel))

Q3. Optimize the R.A.
Tt.aui, t.str (et (s.aui = w.aui) n (w.sab = 'msH') n(r.uil='(0013455)) (mersel × meronso))
By Selection Pushdown,
Tt. aui, t. str (Tx. aui 2 = w. aui (T w. sab # 'MSH' (Tx. wi 1 = '(0013455'))))
= TT+.au, +.str (n M navis= 6.aui (10 M 6.5ab + 'MsH' J n.wis= 10013455' ((r))
= Tt.aui, t.str (marel Marauiz=w.aui (marwnso Mw.sab #1 ms H1 Tr.wil='cool3uss' (mrrel)))
By Projection Pushdown,
= Tavi, str (Tavi, str (Traviz=10. avi (Taviz, wi) (Travi=10013455))
Taui, str (Tw. sab = 'MSH' (MHLODSO))
8 (Flaw, ui (Tw. aui = h. aui N h. paul = 1A0743536' N w. ui = s. ui N s. sty = 1 Hazardous ar Poisonaus substance! (mrwonsow muhiler h x mrstry s)))

	0
	7
	9
By Selection Pushdown.	9
8(Tau; mi (Twani = h. ani (Th. pani = 1 ADT 435361 (T wai = s. ani	0 0
(Ts. sty = 'Hazardous on Poisonous Substance' (wx hxs)	
(37319 - MAZAGABAS SA . 1513110000))))))	
b	
By Projection Rushdown.	
The Marie Committee of	
Tani, cui (h M h.aui = co.aui (Th. paui = 1 A0743536) (co M w.cui = s.aui (Ts.sty = 1 Hazardous or Poisonous	
Substance ((s))))	
()))	
= Taui, mi (h Mh. mi = s. mi (Th. paus = 'A0743536'	E
(Toty = 'Hazardous or Poisonous substance'(s))))	
= Taniqui (Taniqui, pani (Th. pani = 'A0743536' (h)))	
X h. mi = s. mi (Timi, sty (Tsty = 1 Hazardous or Poison aus	
Substance (s))	
SQL Query	
SELECT and an Oliver	-
FROM (SELECT and which b	
() the first th	E
WHERE h-paul = 'AOTU 3536') W	
WHERE CO.CUI IN (SELECT S. WI FROM mrsty	S
Po isonous substance)	E
10 150 nous aubstance)	
	-
	F
	F

S(Tic.au), c.str (Tc.aw = h. pau n c.str. LIKE '/ heart' (ec mrunso x en minier)) By selection Pushdown, Mcaui, c.str (Tc.str LIKE' 1. heart'(c) Mcaui=h.paui(h) By Projection Pushdown, Manistr ((Manistr (Totr LIKE 1.1. heart' (c))) C.au = h. paui (T paus (h)))