

ASSIGNMENT - DATABASE SECURITY
BY RANDY LEON

```
CREATE ROLE wedding_planner; --creating role

CREATE ROLE rich login -- wedding planner 1
CREATE ROLE rosie login; -- wedding planner 2
GRANT wedding_planner TO rich; --granting role to rich
GRANT wedding_planner TO rosie; --granting role to rosie
ALTER ROLE rich PASSWORD 'wplanner1'; --giving rich's password
ALTER ROLE rosie PASSWORD 'wplanner2'; --giving rosie's password.
```

```
CREATE VIEW WEDDING_PLANNER_Only_v AS
(select
"Number" ,
initials ,
"Name" ,
"Last Name" ,
"Coming Ind" ,
"Rsvped Ind" ,
"Address Number" ,
"Meal Code" ,
"Table Number" ,
"Guest Number" ,
"Bride Indicator" ,
"Shower Attendee Indictor" ,
"Meal Known" ,
"RSVP Comment" ,
"Response Date"
from guest); --created view
```

```
GRANT SELECT ("Number",
initials,
"Name",
"Last Name",
"Coming Ind",
"Rsvped Ind",
"Address Number",
"Meal Code",
"Table Number",
"Guest Number",
"Bride Indicator",
"Shower Attendee Indictor",
"Meal Known",
"RSVP Comment",
"Response Date") ON public.guest to WEDDING_PLANNER;
```

```
ALTER TABLE guest ENABLE ROW LEVEL SECURITY;
```

```
CREATE POLICY wedding_planner ON guest FOR UPDATE
USING (guest <= (SELECT guest WHERE 'Meal Code' = 'B')); --row level security.
```

CREATING ROLES FOR WEDDING PLANNERS AND MAKING VIEW

GRANTING THE SPECIFIC COLUMNS I WANT TO THE WEDDING PLANNER

MADE SERVERS FOR EACH WEDDING PLANNER

wedding/rich@Wedding_Rich													
Query Editor Query History Explain Messages Notifications Data Output													
	Number smallint	initials character varying (3)	Name character varying (50)	Last Name character varying (50)	Coming Ind boolean	Rsvpd Ind boolean	Address Number smallint	Meal Code character varying (6)	Table Number smallint	Guest Number smallint	Bride Indicator character varying (1)	Shower Attendee Indicator character varying (1)	Meal Known boolean
1	34	GM	Gerard McGrath	McGrath	true	true	34	B	5	[null]	N	[null]	true
2	37	JTP	Jennifer T. Porter	Porter	true	true	210	V	4	[null]	Y	Y	true

THIS OUTPUT AFTER DOING SELECT * FROM WEDDING_PLANNER_ONLY SHOWS THAT I AM NOT ABLE TO SEE COLUMNS: 'Staying at Hotel Ind', 'Received Gift Ind' and 'Gift Description'

wedding/rich@Wedding_Rich													
Query Editor Query History Explain Messages Notifications Data Output													
<p>CREATE POLICY wedding_planner ON guest</p> <p>USING (guest <= (SELECT guest WHERE 'Meal Code' = 'B')); --row level security.</p>													
	Number smallint	initials character varying (3)	Name character varying (50)	Last Name character varying (50)	Coming Ind boolean	Rsvpd Ind boolean	Address Number smallint	Meal Code character varying (6)	Table Number smallint	Guest Number smallint	Bride Indicator character varying (1)	Shower Attendee Indicator character varying (1)	Meal Known boolean
4	44	JLB	Jeremy Lubin	Lubin	true	true	false	[null]	false	[null]			
5	64	NK	Neil Kling	Kling	true	true	false	[null]	false	[null]			
6	78	TC	Tim Chamberlin	Chamberlin	true	true	false	[null]	false	[null]			
7	107	PH	Phil Hubbauer	Hubbaur	true	true	false	[null]	false	[null]			
8	114	HS	Harvey Strum	Strum	true	true	false	[null]	false	[null]			
9	117	LT	Lisa Texiera	Texiera	true	true	false	[null]	false	[null]			
10	124	EL	Ed Lavish	Lavish	true	true	false	[null]	false	[null]			

ROW LEVEL SECURITY TO ONLY SHOW GUESTS WHO'VE ORDERED BEEF FOR DINNER