

CS 425 Database Organization - Group Project Deliverable 3

Hotel Reservation Database SQL Queries and Outputs

Inika Singh, Jennifer Duarte, Jongmin Lee, Lucas Wang

/ Displays every employee with salary greater than \$50,000, in ascending order of salary. Also shows their occupation */*

```
select First_name, Last_name, e.Occ_name, Salary from employee
as e left join occupation as o on e.Occ_name = o.Occ_name where
Salary > 50000.00 order by Salary asc;
```

	First_name	Last_name	Occ_name	Salary
►	Terrence	Mehia	Sales Manager	53000.00
	Joel	Nolan	Cafe Manager	55000.00
	Duane	Hendricks	Sales & Catering Assistant	55000.00
	Edgar	Mosley	Security	55000.00
	Tucker	Casey	Sales Coordinator	57000.00
	Quinton	Benjamin	Delivery	60000.00
	Armando	Stanton	Porter	60000.00
	Wanda	Galloway	Valet Attendant	60000.00
	Richard	Simmons	Hotel Housekeeper	65000.00
	Beth	Malone	Director of purchasing	70000.00
	Britt	Barron	Director of Sales	70000.00
	Wynter	Barrera	Food Manager	75000.00
	Dianne	Meadows	Meeting Specialist	75000.00
	Pamela	Nunez	Assistant Hotel Manager	80000.00
	Allison	Adam	Cook	80000.00
	Issac	Mcgee	Hotel Manager	85000.25
	Peter	Fuller	Event Manager	90000.00
	Kaseem	Suarez	Maintenance technician	90000.00
	Giovanni	Hopkins	Wedding Coordinator	90000.00
	Matha	Lewis	CEO	100000.25

/ Displays all rooms (and their types) where smoking is allowed */*

```
select Room_no, Type_name, If_smoking from room as r left join
roomtype as rt on r.Type_ID = rt.Type_ID where If_smoking = 'Y';
```

	Room_no	Type_name	If_smoking
►	101	Single	Y
	105	Studio	Y
	107	Hollywood Twin	Y
	112	Accessible	Y
	115	Apartment Style	Y
	120	Super Deluxe	Y
	121	Joint Suite	Y

/* Shows number of rooms in Marriott Hotels in Chicago (for those unsure how to spell Chicago) */

```
select h.Hotel_ID, Hotel_name, Location, Num_rooms from hotel as  
h left join building as b on h.Hotel_ID = b.Hotel_ID where  
Location like 'Chi_a%';
```

	Hotel_ID	Hotel_name	Location	Num_rooms
►	2010	Marriott Hotel	Chicago	300

/* Displays every booking for a three-day stay, in ascending order of arrival date */

```
select Booking_ID, Arrival_date, Departure_date from booking where  
DATEDIFF(Departure_date, Arrival_date) = 3 and Departure_date >  
Arrival_date order by Arrival_date asc;
```

	Booking_ID	Arrival_date	Departure_date
►	3043	2023-02-01	2023-02-04
	3045	2023-03-10	2023-03-13
	3048	2023-03-17	2023-03-20
	3041	2023-04-13	2023-04-16
	3053	2023-05-02	2023-05-05
	3060	2023-06-04	2023-06-07
	3059	2023-06-10	2023-06-13
	3057	2023-07-03	2023-07-06
	3063	2023-09-15	2023-09-18
	3061	2023-10-10	2023-10-13
*	NULL	NULL	NULL

/* Displays every female employee, from youngest to oldest */

```
select Employee_ID, First_name, Last_name, Gender, DOB from  
employee where Gender = 'F' order by DOB desc;
```

	Employee_ID	First_name	Last_name	Gender	DOB
►	3009	Pamela	Nunez	F	1998-10-28
	3025	Wanda	Galloway	F	1998-05-15
	3019	Simone	Miller	F	1996-05-09
	3024	Selma	May	F	1993-01-05
	3005	Roxie	Gonzalez	F	1991-03-15
	3010	Dianne	Meadows	F	1990-04-17
	3003	Matha	Lewis	F	1987-02-05
	3022	Silas	Hammond	F	1985-02-12
	3007	Beth	Malone	F	1983-12-31
	3015	Allison	Adam	F	1983-01-17
	3013	Alma	Thompson	F	1981-08-28
	3008	Britt	Barron	F	1975-09-22
*	NULL	NULL	NULL	NULL	NULL

/* Displays every 5-star hotel */

```
select Hotel_name, Location, Num_stars from hotel where  
Num_stars = 5;
```

	Hotel_name	Location	Num_stars
►	Marriott Hotel	Tokyo	5
	Marriott Hotel	Milan	5
	Marriott Hotel	New York	5
	Marriott Hotel	Kuala Lumpur	5
	Marriott Hotel	Atlanta	5
	Marriott Hotel	Jefferson City	5
	Marriott Hotel	Madison	5

/* Displays every single room type and its price; room types are split into quartiles according to their prices */

```
select Type_name, Room_price, ntile(4) over (order by Room_price  
asc) as Quartile from roomtype;
```

	Type_name	Room_price	Quartile
►	Single	50.00	1
	Double	75.00	1
	Triple	100.00	1
	Accessible	100.00	1
	Quadruple	125.00	1
	Studio	150.00	1
	Double Double	150.00	1
	VIP lounge	200.00	2
	Standard	200.00	2
	Hollywood Twin	250.00	2
	Mini Suite	250.00	2
	Connecting	250.00	2
	Twin Room	275.00	2
	Deluxe	275.00	3
	Queen Room	300.00	3
	Suite	300.00	3
	Apartment Style	300.00	3
	Joint Suite	300.00	3
	King Room	315.00	3
	Super Deluxe	315.00	4
	Cabana	350.00	4
	Presidential Suite	400.00	4
	Villas	450.00	4
	Executive	500.00	4
	International	600.00	4

/* Shows every employee who works in Los Angeles */

```
select e.Employee_ID, First_name, Last_name, Location from
employee as e left join employed as d on e.Employee_ID =
d.Employee_ID left join hotel as h on d.Hotel_ID = h.Hotel_ID
where Location = 'Los Angeles';
```

	Employee_ID	First_name	Last_name	Location
►	3002	Giovanni	Hopkins	Los Angeles

/* Shows the name, email address and phone number of every person in the database, guest or employee */

```
select g.First_name as `First Name`, g.Last_name as `Last Name`,
Guest_email as Email, Guest_phone as `Phone Number` from guest
as g union select e.First_name as `First Name`, e.Last_name as
`Last Name`, Employee_email as Email, Employee_phone as `Phone
Number` from employee as e order by `Last Name` asc;
```

	First Name	Last Name	Email	Phone Number
►	Allison	Adam	allison_adam@gmail.com	165-498-1652
	Wynter	Barrera	wynterbarrera@aol.com	526-895-2568
	Britt	Barron	britt_barron@hotmail.net	216-780-1509
	Quinton	Benjamin	quintonbenjamin@google.com	568-915-7819
	Sana	Bieber	bieber_sana@google.com	915-422-1128
	Mathew	Butler	butler_mathew@outlook.com	569-889-5577
	John	Cabrera	cabrera_john@yahoo.com	256-468-7812
	Lucas	Cannon	cannonlucas@gmail.com	772-819-5647
	Phu	Carroll	carroll-phu@yahoo.com	141-168-4189
	Tucker	Casey	tuckercasey@aol.com	326-458-8591
	Anthony	Chapman	chapmananthony@outlook.com	891-524-6668
	Barry	Combs	combsbarry2@outlook.com	514-145-8897
	Racheal	Compton	comptonrachel@hotmail.net	568-784-7823
	Alexa	Cox	acox@hotmail.net	824-983-6280
	Joel	Cunningham	Joel_Cunninfhm@aol.com	651-984-1465
	Diya	Dennis	diya-dennis882@yahoo.com	617-643-8715
	Ali	Drake	drakeali@outlook.com	954-475-3353
	Peter	Fuller	peterfuller2940@gmail.com	454-898-3215
	Wanda	Galloway	wgalloway@gmail.com	296-987-1424
	Madison	Glenn	glenn-madison@gmail.com	689-246-5851
	Roxie	Gonzalez	roxieg2810@google.com	155-857-4154
	Silas	Hammond	silashammond@gmail.com	213-541-4652
	Gabriel	Hardy	hardy92Gabriel@yahoo.com	275-367-9694
	Duane	Hendricks	duanehendricks@google.com	125-369-9856
	Giovanni	Hopkins	giovanni-hop@yahoo.com	526-489-4891
	Beatriz	Joyce	b-joyce4398@hotmail.com	852-516-9710

Leo	Lam	llam26@gmail.com	265-386-2437
Joyce	Levine	levine-joyce@hotmail.net	253-789-8984
Matha	Lewis	Matha-lewis@gmail.com	336-9875-5858
Grace	Lynch	grace-lynch5273@yahoo.com	317-226-7336
Beth	Malone	beth-mal@google.com	226-691-8495
Selma	May	selma-may@hotmail.net	715-456-2315
Damien	Mcdonald	mcdonald.damian@outlook.c...	760-865-9864
Issac	Mcgee	IssacMcgee7@gmail.com	222-124-1548
Dianne	Meadows	diannem@google.com	566-968-4180
Terrence	Mehia	terrence_mehia@gmail.com	413-895-4116
Simone	Miller	millersimone@aol.com	115-559-3636
Charles	Mills	charles-mills@gmail.com	317-761-9778
Edgar	Mosley	edgar_mosely@google.com	511-969-1561
Fatima	Moss	moss_fatima@google.com	251-930-7795
Eric	Murphy	murphy-eric@aol.com	160-183-8534
Joel	Nolan	joel_nolan@aol.com	416-7781-1585
Pamela	Nunez	pam_nun@gmail.com	125-416-1651
Angelica	Silva	sangelica781@google.com	731-773-7676
Richard	Simmons	richard280281@outlook.com	421-416-9856
Armando	Stanton	armando_stanton@yahoo.com	469-159-5481
Hanna	Steele	steelehanna9021@gmail.com	810-074-5364
Kaseem	Suarez	suarez18392@aol.com	594-456-8916
Alma	Thompson	alma_t@google.com	501-125-1891
Zac	Tisdale	tisdale-zac@google.com	554-784-8845
Jaquivius	Webster	websterjaquivius@google.com	233-127-8519

/* Displays every guest who booked a room with a TV */

```
select Guest_Name, r.Room_no, Amenities from bookingname as bn
left join booking as b on bn.Booking_ID = b.Booking_ID left join
room as r on b.Booking_ID = r.Booking_ID left join roomamenities
as ra on r.Room_no = ra.Room_no where Amenities like 'TV%';
```

	Guest_Name	Room_no	Amenities
►	Angelica Silva	101	TV
	Beatriz Joyce	103	TV and Fridge
	Diya Dennis	105	TV and Fridge
	Fatima Moss	107	TV
	Gabriel Hardy	108	TV
	Anthony Chapman	111	TV
	Joyce Levine	113	TV
	Alexa Cox	116	TV and Fridge
	Damien Mcdonald	117	TV and Fridge
	Grace Lynch	118	TV
	Madison Glenn	119	TV and Fridge
	Mathew Bulter	121	TV
	Sana Bieber	123	TV
	Racheal Compton	124	TV