

CA4_Query

Daniel Lacey

January, 2023

TABLE OF CONTENTS

-

E-R Diagram

-

Queries:

-

-

-

-

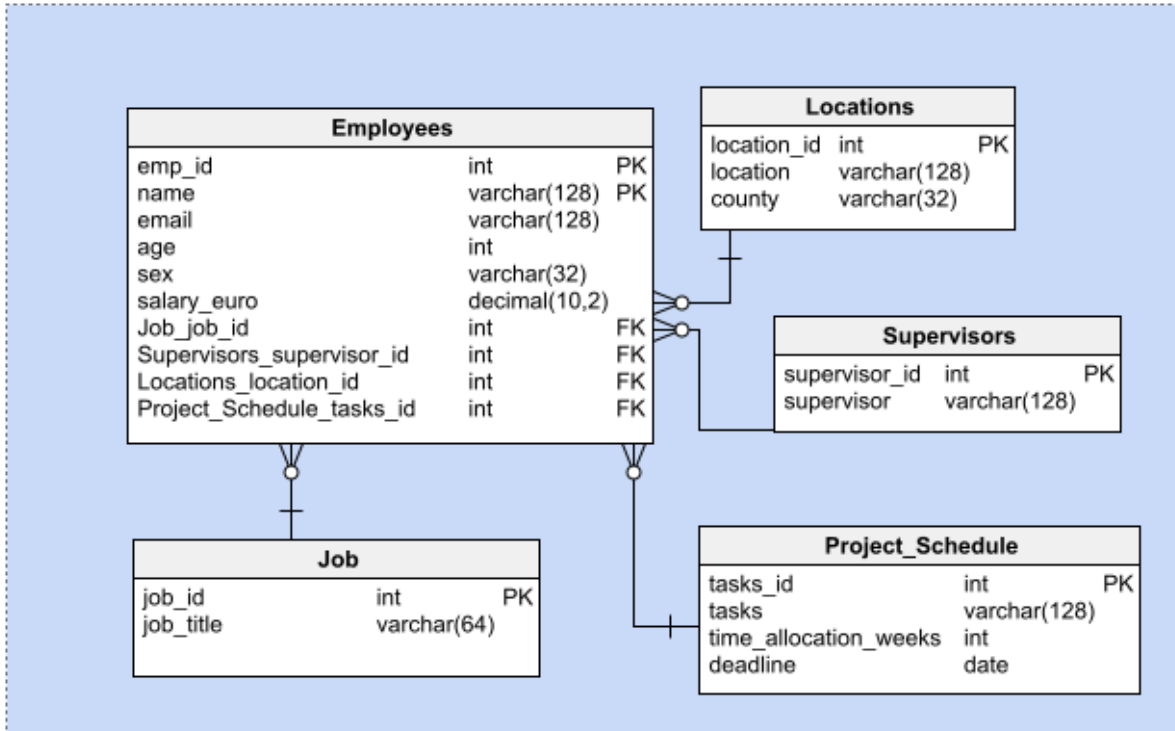
-

-

-

-

Game Development Team
Database



```

portaldb <- dbConnect(SQLite(), "daie_ca4_data.sqlite")
portaldb <- dbConnect(RSQLite::SQLite(), "daie_ca4_data.sqlite")

dbListTables(portaldb)
  
```

```

## [1] "Employees"      "Job"             "Locations"       "Project_Schedule"
## [5] "Supervisors"
  
```

```
SELECT * FROM Employees
```

Employees_data

Showing all data in the employees table

##	emp_id	name	email	age	sex	salary_euro
## 1	1	Mike_O'Leary	mikeoleary@toemail.ie	57	Male	120000.00
## 2	2	Karen_O'Driscoll	karenodriscoll@mail.com	43	Female	75000.00
## 3	3	James_Lehane	jamesleh@email.com	37	Male	60000.00
## 4	4	Dan_Sullivan	dansull@eamil.ie	39	Male	65000.00
## 5	5	Scott_Watts	scottwatts@eamil.ie	41	Male	62000.00
## 6	6	Tracy_Kelleher	tkelleher@mail.ie	28	Female	66000.00
## 7	7	Tim_Blake	timb@mail.com	31	Male	50000.00
## 8	8	Jane_Bond	janebd@nostir.com	25	Female	47000.00
## 9	9	Marie_Jameson	mjameson@mail.com	35	Female	46000.00
## 10	10	Larry_Lynch	larrylyn@hotmail.ie	32	Male	46000.00
## 11	11	Damon_DeValera	damdeval@gael.ie	24	Male	38000.00
## 12	12	Mick_Collins	mickcollins@fail.ie	26	Male	38000.00
## 13	13	Bill_Yeats	billyeats@gail.ie	37	Male	37000.00
## 14	14	Leah_Neeson	leahn@mail.com	21	Female	36000.00
## 15	15	Sinead_Connell	sinconn@mail.ie	43	Female	34000.00
## 16	16	Amy_Brosnan	amybro@mail.com	34	Female	40000.00
## 17	17	Laura_Kelly	laurakelly1@fmail.com	27	Female	39000.00
## 18	18	Jill_Jackson	jilljack22@jail.com	25	Female	37000.00
## 19	19	Eoghan_O'Brien	uggano13@mail.com	23	Male	36000.00
## 20	20	Oscar_Wilde	oscwilde@gaol.com	42	Male	35000.00
## 21	21	Arthur_Morgan	artymorg@mail.com	36	Male	35000.00
## 22	22	Clare_Healy	chealy@fmail.com	28	Female	42000.00
## 23	23	Tara_Nolan	taranolan@mail.com	23	Female	40000.00
## 24	24	Patty_Burgher	pattyb@mail.ie	33	Female	38000.00
## 25	25	Rose_Bush	rosebush@mail.ie	44	Female	33000.00
## 26	26	Denise_Townsend	dentownsend@mail.ie	29	Female	55000.00
## 27	27	William_Johnson	billjohnson@mail.ie	30	Male	46000.00
## 28	28	Jerry_Smithgold	jsgold@recall.com	54	Male	450000.00
##	Job_job_id	Supervisors_supervisor_id	Locations_location_id			
## 1	1	1	1			
## 2	2	1	2			
## 3	2	1	3			
## 4	2	1	4			
## 5	2	1	5			
## 6	2	1	6			
## 7	3	2	2			
## 8	3	2	2			
## 9	3	2	2			
## 10	3	2	2			
## 11	4	3	3			
## 12	4	3	3			
## 13	4	3	3			
## 14	4	3	3			

## 15	4	3	3
## 16	5	4	4
## 17	5	4	4
## 18	5	4	4
## 19	5	4	4
## 20	5	4	4
## 21	5	4	4
## 22	6	5	5
## 23	6	5	5
## 24	6	5	5
## 25	6	5	5
## 26	7	6	6
## 27	8	6	7
## 28	8	6	7
##	Project_Schedule_tasks_id		
## 1	1		
## 2	2		
## 3	3		
## 4	4		
## 5	5		
## 6	6		
## 7	7		
## 8	7		
## 9	8		
## 10	8		
## 11	9		
## 12	9		
## 13	9		
## 14	10		
## 15	10		
## 16	11		
## 17	11		
## 18	11		
## 19	12		
## 20	12		
## 21	12		
## 22	13		
## 23	13		
## 24	14		
## 25	14		
## 26	15		
## 27	16		
## 28	16		

```
SELECT name FROM Employees WHERE age > "40"
```

Selecting employees whose age is greater than 40

Table 1: 7 records

name
Mike_O'Leary
Karen_O'Driscoll
Scott_Watts
Sinead_Connell
Oscar_Wilde
Rose_Bush
Jerry_Smithgold

```
SELECT salary_euro FROM Employees WHERE salary_euro > "40000"
```

Selecting salaries above €40,000

Table 2: Displaying records 1 - 10

salary_euro
75000.00
60000.00
65000.00
62000.00
66000.00
50000.00
47000.00
46000.00
46000.00
40000.00

```
SELECT * FROM Locations WHERE County="Dublin";
```

Selecting from the locations table every location within Dublin (Using WHERE operator)

Table 3: 4 records

location_id	location	county
1	Head_Office	Dublin
2	Level_Design_Studio	Dublin
6	Sound_Design_Studio	Dublin
7	Home_Music_Studio	Dublin

```
SELECT * FROM Employees WHERE name LIKE "M%";
```

Selecting employees whose name starts with “M” (Using LIKE operator)

Table 4: 3 records

emp_id	name	email	age	sex	salary_euro	job_id	Supervisors_supervisor_id	Divisions_division_id	Locations_location_id	Project_id	Schedule_tasks_id
1	Mike_O'Leary	mike.oleary@toemail.ie	57	Male	120000.00	1	1	1	1		
9	Marie_Jameson	marie.jameson@mail.com	35	Female	46000.00	3	2	2		8	
12	Mick_Collins	mick.collins@fail.ie	26	Male	38000.00	4	3	3		9	

```
SELECT DISTINCT salary_euro FROM Employees ORDER BY salary_euro DESC;
```

Selecting distinct salaries and ordering them descending (Using DISTINCT and ORDER BY operators)

Table 5: Displaying records 1 - 10

salary_euro
75000.00
66000.00
65000.00
62000.00
60000.00
55000.00
50000.00
47000.00
46000.00
45000.00

```
SELECT deadline FROM Project_Schedule WHERE deadline BETWEEN "2024-01-01" AND "2024-05-01";
```

Selecting deadline dates between certain dates (By selecting across date range using the BETWEEN and AND operators)

Table 6: Displaying records 1 - 10

deadline
2024-05-01
2024-01-03
2024-01-03
2024-01-03
2024-01-03
2024-01-03
2024-01-02
2024-01-02
2024-01-02
2024-01-02

```
SELECT * FROM Locations WHERE County="Louth" OR County="Kildare";
```

Selecting locations within the counties Louth and Kildare (Using the OR operator)

Table 7: 2 records

location_id	location	county
3	Animation_Studio	Louth
4	Modeling_Texturing_Studio	Kildare

```
dbDisconnect(portaldb)
```