```
1    EXECUTE q9('IT', '2021-01-01', '2029-06-30', 100000);
```

Data Output   Messages   Notifications

Showing ro

employee_id integer	full_name text	department character varying (200)	total_paid numeric
1	898920108	David Gutierrez	IT	44404.04
2	770505591	Easton Watson	IT	43592.13
3	472451570	Jayden Kelly	IT	43567.54
4	537243715	Theodore Hughes	IT	42620.55
5	712165251	Micah Sanders	IT	41819.58
6	926445180	Bennett Serrano	IT	41813.86
7	424021660	Ezra Scott	IT	41622.84

Total rows: 7312   Query complete 00:00:00.532

```
1    EXECUTE q10(600);
```

Data Output   Messages   Notifications

	employee_id integer	employee text	expiring_licenses bigint	nearest_expiry date
1	618929065	Maverick Wright	1	2025-09-17
2	487150081	Lucas Richardson	2	2025-09-17
3	477653732	Cooper Ruiz	1	2025-09-17
4	296405666	Hudson King	1	2025-09-17
5	402389743	Beau Jimenez	1	2025-09-17
6	353819701	Hector Ray	1	2025-09-17
7	757167704	Elias Alvarez	1	2025-09-17

Total rows: 6736   Query complete 00:00:00.395

```
1   EXECUTE q11(2025);
2
```

Data Output   Messages   Notifications

Showing rows: 1 to 30   Page No: 1

position character varying (200) 🔒	employees_with_pay bigint 🔒	avg_total_pay numeric 🔒	min_total_pay numeric 🔒	max_total_pay numeric 🔒	sum_total_pay numeric 🔒
1	Data Analyst	428	9296.62	942.20	32970.96	3978954.28
2	Clearing Analyst	585	9176.43	819.20	33054.48	5368211.53
3	Support Supervisor	432	9044.01	806.48	28063.31	3907011.65
4	Payments Specialist	590	8995.28	802.47	31319.81	5307213.11
5	Legal Counsel	601	8977.54	832.64	30709.03	5395501.72
6	Financial Analyst	400	8965.65	828.64	39855.94	3586258.71
7	Operations Manager	606	9049.62	805.22	27417.12	5418022.20

Total rows: 30   Query complete 00:00:00.447

```
1   EXECUTE q12(1,110000000);
```

Data Output   Messages   Notifications

Showing rows: 1 to 1000   Page No: 1   of 4270

emp1_id integer 🔒	emp1_name text 🔒	emp2_id integer 🔒	emp2_name text 🔒	overlapping_shifts_count bigint 🔒	first_overlap_start time without time zone 🔒	last_overlap_end time without time zone
1	105566992	Gabriel Sanchez	781872212	Christian Weber	11	08:45:00	20:15:00
2	105566992	Gabriel Sanchez	906984044	Ezekiel Taylor	11	08:45:00	19:30:00
3	105566992	Gabriel Sanchez	275524352	Kayden Anderson	11	11:15:00	21:00:00
4	105566992	Gabriel Sanchez	196427744	Zane Bailey	11	08:45:00	21:00:00
5	107784622	Owen Collins	451686681	Gael Wood	11	08:00:00	19:30:00
6	104030344	Aiden Richardson	196427744	Zane Bailey	10	07:45:00	16:45:00
7	102402447	Declan Cox	152506066	Damian Martin	10	15:15:00	22:45:00

Total rows: 4269069   Query complete 00:01:48.721   CRLF   L

With index:

```sql
1  EXECUTE q9('IT', '2021-01-01', '2029-06-30', 100000);
2
```

Data Output   Messages   Notifications

Showing rows: 1 to 1

	employee_id integer	full_name text	department character varying (200)	total_paid numeric
1	898920108	David Gutierrez	IT	44404.04
2	770505591	Easton Watson	IT	43592.13
3	472451570	Jayden Kelly	IT	43567.54
4	537243715	Theodore Hughes	IT	42620.55
5	712165251	Micah Sanders	IT	41819.58
6	926445180	Bennett Serrano	IT	41813.86
7	424021660	Ezra Scott	IT	41622.84

Total rows: 7312   Query complete 00:00:00.241

```
1    EXECUTE q10(600);
2
```

Data Output   Messages   Notifications

Showing rows: 1 to 10

	employee_id integer	employee text	expiring_licenses bigint	nearest_expiry date
1	402389743	Beau Jimenez	1	2025-09-17
2	618929065	Maverick Wright	1	2025-09-17
3	296405666	Hudson King	1	2025-09-17
4	477653732	Cooper Ruiz	1	2025-09-17
5	916428347	Henry Flores	1	2025-09-17
6	287111428	Adrian Edwards	1	2025-09-17
7	252810701	Hector Day	1	2025-09-17

Total rows: 6736   Query complete 00:00:00.268

```
1    EXECUTE q11(2027);
```

Showing rows: 1 to 30 Page No: 1

	position character varying (200)	employees_with_pay bigint	avg_total_pay numeric	min_total_pay numeric	max_total_pay numeric	sum_total_pay numeric
24	Partnerships Manager	2000	8955.02	802.70	29130.70	17900909.74
25	UX Designer	708	8941.65	805.66	37282.30	6330688.22
26	Marketing Specialist	698	8919.23	811.92	27968.62	6225622.72
27	IT Support	515	8875.10	815.16	32852.35	4570676.68
28	Support Agent	692	8817.22	827.35	29670.84	6101515.81
29	Support Supervisor	665	8738.42	812.99	35732.68	5811051.87
30	Ticketing Supervisor	699	8523.72	804.26	32793.91	5958083.05

Total rows: 30   Query complete 00:00:00.249

Query   Query History   Scratch Pad ✕

```
1    EXECUTE q12(1, 110000000);
2
```

Showing rows: 1 to 1000 Page No: 1   of 4270

	emp1_id integer	emp1_name text	emp2_id integer	emp2_name text	overlapping_shifts_count bigint	first_overlap_start time without time zone	last_overlap_end time without time zone
1	105566992	Gabriel Sanchez	781872212	Christian Weber	11	08:45:00	20:15:00
2	105566992	Gabriel Sanchez	906984044	Ezekiel Taylor	11	08:45:00	19:30:00
3	105566992	Gabriel Sanchez	275524352	Kayden Anderson	11	11:15:00	21:00:00
4	105566992	Gabriel Sanchez	196427744	Zane Bailey	11	08:45:00	21:00:00
5	107784622	Owen Collins	451686681	Gael Wood	11	08:00:00	19:30:00
6	104030344	Aiden Richardson	196427744	Zane Bailey	10	07:45:00	16:45:00
7	102402447	Declan Cox	152506066	Damian Martin	10	15:15:00	22:45:00

Total rows: 4269069   Query complete 00:01:21.226   CRLF   Ln 1, Col 25