Question 1: Answer

Scratch Pad ✕

```
1   -- 1.List the employee number, last name, first name, sex, and salary of each employee.
2   select
3       e.emp_no,
4       e.last_name,
5       e.first_name,
6       e.sex,
7       s.salary
8
9
10  from
11      "Employees"  e
12  Join
13      "Salaries" s on e.emp_no = s.emp_no
```

Data Output   Messages   Notifications

Showing rows: 1 to 1000   Page No: 1   of 301

	emp_no integer	last_name character varying (50)	first_name character varying (50)	sex character varying (10)	salary integer
1	10001	Facello	Georgi	M	60117
2	10005	Maliniak	Kyoichi	M	78228
3	10010	Piveteau	Duangkaew	F	72488
4	10011	Sluis	Mary	F	42365
5	10013	Terkki	Eberhardt	M	40000
6	10017	Bouloucos	Cristinel	F	71380
7	10018	Peha	Kazuhide	F	55881
8	10019	Haddadi	Lillian	M	44276
9	10026	Berztiss	Yongqiao	M	47585

Question 2: Answer

Query   Query History

Save File
Ctrl S

Scratch Pad ✕

```
1   -- List the first name, last name, and hire date for the employees who were hired in 1986.
2   select
3       first_name,
4       last_name,
5       hire_date
6   From
7       "Employees"
8   where
9       extract (year from hire_date) = 1986
10  order by
11      hire_date ASC, last_name ASC, first_name ASC
```

Data Output   Messages   Notifications

Showing rows: 1 to 1000   Page No: 1   of 37

	first_name character varying (50)	last_name character varying (50)	hire_date date
1	Uri	Asmuth	1986-01-01
2	Shahid	Baaz	1986-01-01
3	Pranas	Baek	1986-01-01
4	Mohammed	Bahk	1986-01-01
5	Kristian	Bergere	1986-01-01
6	Ziyad	Bhattacharjee	1986-01-01
7	Jiang	Bierbaum	1986-01-01
8	Arlette	Boguraev	1986-01-01
9	Jiann	Bondorf	1986-01-01

Total rows: 36150   Query complete 00:00:00.443

CRLF   Ln 11, Col 46

Question 3: Answer

Query   Query History   Scratch Pad ✕

```
1   -- 3.List the manager of each department along with their department number, department name,
2   select
3       d.dept_no,
4       d.dept_name,
5       e.emp_no,
6       e.last_name,
7       e.first_name
8   from
9       "Department Manager"  dm
10  Join
11      "Employees" e on dm.emp_no = e.emp_no
12  Join
13      "Department" d on dm.dept_no = d.dept_no
14
```

Data Output   Messages   Notifications

Showing rows: 1 to 24   Page No: 1   of 1

	dept_no character varying (10)	dept_name character varying (50)	emp_no integer	last_name character varying (50)	first_name character varying (50)
1	d001	Marketing	110022	Markovitch	Margareta
2	d001	Marketing	110039	Minakawa	Vishwani
3	d002	Finance	110085	Alpin	Ebru
4	d002	Finance	110114	Legleitner	Isamu
5	d003	Human Resources	110183	Ossenbruggen	Shirish
6	d003	Human Resources	110228	Sigstam	Karsten
7	d004	Production	110303	Wegerle	Krassimir
8	d004	Production	110344	Cools	Rosine
9	d004	Production	110386	Kieras	Shem

Total rows: 24   Query complete 00:00:00.115   CRLF   Ln 9, Col 21

Question 4: Answer

Query   Query History   Scratch Pad ✕

```
1   -- 4.List the department number for each employee along with that employee's employee number,
2   select
3       de.dept_no,
4       e.emp_no,
5       e.last_name,
6       e.first_name,
7       d.dept_name
8   from
9       "Employees"  e
10  Join
11      "Department Employee" de on e.emp_no = de.emp_no
12  Join
13      "Department" d on de.dept_no = d.dept_no
```

Data Output   Messages   Notifications

Showing rows: 1 to 1000   Page No: 1   of 332

	dept_no character varying (10)	emp_no integer	last_name character varying (50)	first_name character varying (50)	dept_name character varying (50)
1	d005	10001	Facello	Georgi	Development
2	d003	10005	Maliniak	Kyoichi	Human Resources
3	d004	10010	Piveteau	Duangkaew	Production
4	d006	10010	Piveteau	Duangkaew	Quality Management
5	d009	10011	Sluis	Mary	Customer Service
6	d003	10013	Terkki	Eberhardt	Human Resources
7	d001	10017	Bouloucos	Cristinel	Marketing
8	d004	10018	Peha	Kazuhide	Production
9	d005	10018	Peha	Kazuhide	Development

Total rows: 331603   Query complete 00:00:01.221   CRLF   Ln 13, Col 39

Question 5: Answer

Query | Query History | | Scratch Pad ✕

```sql
1   -- 5. List first name, last name, and sex of each employee whose first name is Hercules and who
2 ∨ select
3       e.first_name,
4       e.last_name,
5       e.sex
6   From
7       "Employees" e
8   Where
9       "first_name" = 'Hercules' and
10      "last_name" like 'B%';
11
12
```

Data Output | Messages | Notifications

Showing rows: 1 to 20 | Page No: 1 | of 1

	first_name character varying (50) 🔒	last_name character varying (50) 🔒	sex character varying (10) 🔒
1	Hercules	Baer	M
2	Hercules	Biron	F
3	Hercules	Birge	F
4	Hercules	Berstel	F
5	Hercules	Bernatsky	M
6	Hercules	Bail	F
7	Hercules	Bodoff	M
8	Hercules	Benantar	F
9	Hercules	Basagni	M

Total rows: 20 | Query complete 00:00:00.270 | CRLF | Ln 9, Col 27

Question 6: Answer

Query | Query History | | Scratch Pad ✕

```sql
1   --6.List each employee in the Sales department, including their employee number, la
2 ∨ select
3       e.emp_no,
4       e.last_name,
5       e.first_name,
6       e.hire_date
7   From
8       "Employees" e
9   Join
10      "Department Employee" de on e.emp_no = de.emp_no
11  Join
12      "Department" d on de.dept_no = d.dept_no
13  Where
14      d.dept_name = 'Sales'
```

Data Output | Messages | Notifications

Showing rows: 1 to 1000 | Page No: 1 | of 53

	emp_no [PK] integer	last_name character varying (50)	first_name character varying (50)	hire_date date
249	11328	Ferriere	Xiong	1986-08-08
250	11329	McConalogue	Limsoon	1987-05-02
251	11334	Vural	Yurij	1986-10-12
252	11338	Hanratty	Kwangsub	1987-04-14
253	11344	Gulak	Paddy	1990-05-10
254	11353	Berztiss	Utpal	1986-08-25
255	11359	Jayawardene	Subhrajyoti	1989-08-14
256	11360	Schach	Fen	1989-01-12
257	11372	Vilarrasa	Susanta	1993-05-14

Total rows: 52245 | Query complete 00:00:00.418 | CRLF | Ln 1, Col 5

Question 7: Answer

```
1   -- 7.List each employee in the Sales and Development departments, including their employee number,
2 ∨ select
3       e.emp_no,
4       e.last_name,
5       e.first_name,
6       d.dept_name
7   From
8       "Employees" e
9   Join
10      "Department Employee" de on e.emp_no = de.emp_no
11  Join
12      "Department" d on de.dept_no = d.dept_no
13  Where
14      d.dept_name in ('Sales','Development')
```

Showing rows: 1 to 1000   Page No: 1   of 138

	emp_no integer	last_name character varying (50)	first_name character varying (50)	dept_name character varying (50)
1	10001	Facello	Georgi	Development
2	10002	Simmel	Bezalel	Sales
3	10006	Preusig	Anneke	Development
4	10008	Kalloufi	Saniya	Development
5	10012	Bridgland	Patricio	Development
6	10014	Genin	Berni	Development
7	10016	Cappelletti	Kazuhito	Sales
8	10018	Peha	Kazuhide	Development
9	10021	Erde	Ramzi	Development

Question 8: Answer

```
1   --8.List the frequency counts, in descending order, of all the employee last names (
2 ∨ select
3       e.last_name,
4       count(e.emp_no) as num_last_name
5   from
6       "Employees" e
7   group by
8       e.last_name
9   order by
10  num_last_name desc;
```

Showing rows: 1 to 1000   Page No: 1   of 2

	last_name character varying (50)	num_last_name bigint
1	Baba	226
2	Coorg	223
3	Gelosh	223
4	Sudbeck	222
5	Farris	222
6	Adachi	221
7	Osgood	220
8	Mandell	218
9	Masada	218

Total rows: 1638   Query complete 00:00:00.155   CRLF   Ln 8, Col 8