

```
1  -- Obligatorisk oppgave 9 --
2
3  -- Oppgave 1 --
4
5  SELECT
6      f.filmid
7  FROM
8      film AS f,
9      filmitem AS fi
10 WHERE
11     f.filmid = fi.filmid
12     AND fi.filmtype='C'
13     AND f.title='Love';
14
15 -- Oppgave 2 --
16
17 SELECT
18     filmid,
19     title,
20     count(personid) - 1
21 FROM
22     film NATURAL JOIN
23     filmparticipation
24 WHERE
25     parttype = 'director' AND
26     filmid IN (
27         SELECT
28             filmid
29         FROM
30             filmparticipation NATURAL JOIN
31             person
32         WHERE
33             firstname = 'Ingmar' AND
34             lastname = 'Bergman' AND
35             parttype = 'director'
36     )
37 GROUP BY
38     filmid,
39     title;
40
41 -- Oppgave 3 --
42
43 SELECT
44     filmid,
45     count(personid),
46     prodyear,
47     rank
48 FROM
49     film NATURAL JOIN
50     filmparticipation NATURAL JOIN
51     filmrating
52 WHERE
53     filmid IN (
54         SELECT
55             filmid
56         FROM
57             filmparticipation NATURAL JOIN
58             person
59         WHERE
60             firstname = 'Ingmar' AND
61             lastname = 'Bergman' AND
62             parttype = 'director'
63     )
64 GROUP BY
65     filmid,
66     prodyear,
67     rank
68 ORDER BY prodyear asc;
69
```

```
70 -- Oppgave 4 --
71
72 (SELECT
73     prodyear,
74     title
75 FROM
76     film NATURAL JOIN
77     filmparticipation NATURAL JOIN
78     person
79 WHERE
80     firstname = 'Angelina' AND
81     lastname = 'Jolie'
82 ) INTERSECT (
83 SELECT
84     prodyear,
85     title
86 FROM
87     film NATURAL JOIN
88     filmparticipation NATURAL JOIN
89     person
90 WHERE
91     firstname = 'Antonio' AND
92     lastname = 'Banderas');
93
94 -- Oppgave 5 --
95
96 SELECT
97     title,
98     firstname || ' ' || lastname AS name,
99     fp.parttype
100 FROM
101     filmitem NATURAL JOIN
102     film NATURAL JOIN
103     filmparticipation fp NATURAL JOIN
104     person
105 WHERE
106     prodyear = 2003 AND
107     filmtype = 'C'
108 GROUP BY
109     title,
110     name,
111     parttype,
112     fp.filmid,
113     fp.personid
114 HAVING
115     (SELECT
116         COUNT(distinct fp2.parttype)
117     FROM
118         filmparticipation fp2
119     WHERE
120         fp.filmid = fp2.filmid AND
121         fp.personid = fp2.personid) > 1);
122
123
124
125
126 -- Oppgave 6 --
127
128 SELECT
129     firstname || ' ' || lastname AS name
130 FROM
131     person
132 WHERE
133     personid NOT IN (
134         SELECT
135             personid
136         FROM
137             film NATURAL JOIN
138             filmparticipation
139         WHERE
```

```
140         prodyear = 2005
141     ) AND
142     personid IN (
143         SELECT
144             personid
145         FROM
146             film NATURAL JOIN
147             filmparticipation
148         WHERE
149             prodyear BETWEEN 2008 AND 2010
150         GROUP BY
151             personid
152         HAVING
153             count(distinct filmid) > 15
154     );
155
156 -- Oppgave 7 --
157
158 SELECT
159     firstname || ' ' || lastname AS name,
160     title
161 FROM
162     person NATURAL JOIN
163     film NATURAL JOIN
164     filmparticipation
165 WHERE
166     parttype = 'director' AND
167     filmid IN (
168         SELECT
169             filmid
170         FROM
171             film NATURAL JOIN
172             filmparticipation
173         GROUP BY
174             filmid
175         HAVING
176             count(distinct personid) > 200
177     ) AND
178     filmid IN (
179         SELECT
180             filmid
181         FROM
182             film NATURAL JOIN
183             filmparticipation
184         WHERE
185             parttype = 'director'
186         GROUP BY
187             filmid
188         HAVING
189             count(personid) = 1
190     );
191
192 -- Oppgave 8 --
193
194 SELECT
195     firstname || ' ' || lastname AS name
196 FROM
197     person NATURAL JOIN
198     filmparticipation
199 WHERE
200     parttype = 'director' AND
201     filmid IN (
202         SELECT
203             distinct filmid
204         FROM
205             film NATURAL JOIN
206             filmparticipation
207         GROUP BY
208             filmid
```

```
209      HAVING
210          count(distinct personid) > 150
211      ) AND
212      filmid IN (
213          SELECT
214              distinct filmid
215          FROM
216              film NATURAL JOIN
217              filmparticipation
218          WHERE
219              parttype = 'director'
220          GROUP BY
221              filmid
222          HAVING
223              count(personid) = 1
224      ) AND
225      personid IN (
226          SELECT
227              distinct personid
228          FROM
229              film NATURAL JOIN
230              filmparticipation
231          WHERE
232              parttype = 'director'
233          GROUP BY
234              personid
235          HAVING
236              MAX(prodyear) - MIN(prodyear) > 49
237      )
238  GROUP BY
239      name
240  ORDER BY name ASC;
```