Oppgave 1:

```
SELECT
    vektgruppe,
    COUNT(*) AS antall_pasienter
FROM (
    SELECT
        CONCAT(FLOOR(vekt / 10) * 10, '-', FLOOR(vekt / 10) * 10 + 9) AS vektgruppe,
        FLOOR(vekt / 10) AS sortering
    FROM pasienter_med_provins
) AS vektgrupper
GROUP BY vektgruppe, sortering
ORDER BY sortering DESC;
```

Result Grid | Filter Rows:

vektgruppe	antall_pasienter
140-149	3
130-139	8
120-129	23
110-119	45
100-109	57
90-99	38
80-89	52
70-79	70
60-69	87
50-59	40
40-49	29
30-39	14
20-29	14
10-19	13
0-9	6

47 21:54:28 SELECT vektgruppe, COUNT(*) AS antall_pasienter FROM (SELECT CONCAT(FLOOR(vekt / 10) * 10, '-', FLOOR(vekt / 10) * 10 + 9) AS vektgruppe, FLOOR(vekt / 10) AS sortering FROM pasie... 15 row(s) returned

Oppgave 2:

```
SELECT
    pasient_id,
    vekt,
    hoyde,
    /* 1 for True, 0 for False*/
    IF(vekt / POWER(hoyde / 100, 2) >= 30, 1, 0) AS erOvervektig
FROM pasienter_med_provins;
```

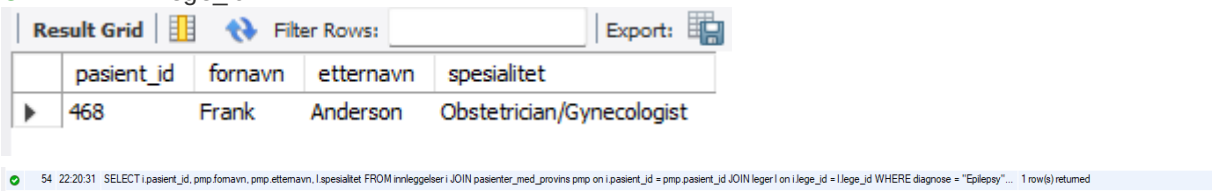
Result Grid | Filter Rows:

pasient_id	vekt	hoyde	erOvervektig
1	65	156	0
2	76	185	0
3	106	194	0
4	104	191	0
5	10	47	1
6	5	43	0
7	117	180	1
8	105	174	1
9	95	173	1
10	61	157	0
11	74	158	0
12	46	145	0
13	77	146	1
14	95	220	0
15	72	172	0
16	59	153	0
17	114	179	1
18	95	163	1
19	61	138	1
20	116	194	1
21	106	176	1
22	66	157	0
23	75	154	1
24	85	186	0
25	104	213	0
26	62	147	0
27	76	146	1
28	87	184	0

52 22:11:31 SELECT pasient_id, vekt, hoyde, /* 1 for True, 0 for False*/ IF(vekt / POWER(hoyde / 100, 2) >= 30, 1, 0) AS erOvervektig FROM pasienter_med_provins LIMIT 0, 500 499 row(s) returned

Oppgave 3:

```
SELECT i.pasient_id, pmp.fornavn, pmp.etternavn, l.spesialitet
FROM innleggelser i
JOIN pasienter_med_provins pmp on i.pasient_id = pmp.pasient_id
JOIN leger l on i.lege_id = l.lege_id
WHERE diagnose = "Epilepsy" and l.fornavn = "Lisa"
ORDER BY l.lege_id
```



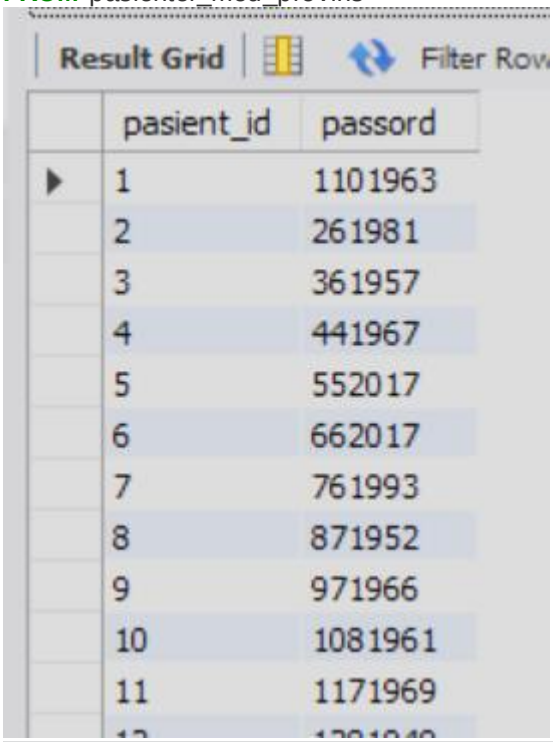
Result Grid | Filter Rows: | Export:

pasient_id	fornavn	etternavn	spesialitet
468	Frank	Anderson	Obstetrician/Gynecologist

54 22:20:31 SELECT i.pasient_id, pmp.fornavn, pmp.etternavn, l.spesialitet FROM innleggelser i JOIN pasienter_med_provins pmp on i.pasient_id = pmp.pasient_id JOIN leger l on i.lege_id = l.lege_id WHERE diagnose = "Epilepsy"... 1 row(s) returned

Oppgave 4

```
SELECT
    pasient_id,
    CONCAT(pasient_id, LENGTH(etternavn), YEAR(fodselsdag)) as passord
FROM pasienter_med_provins
```



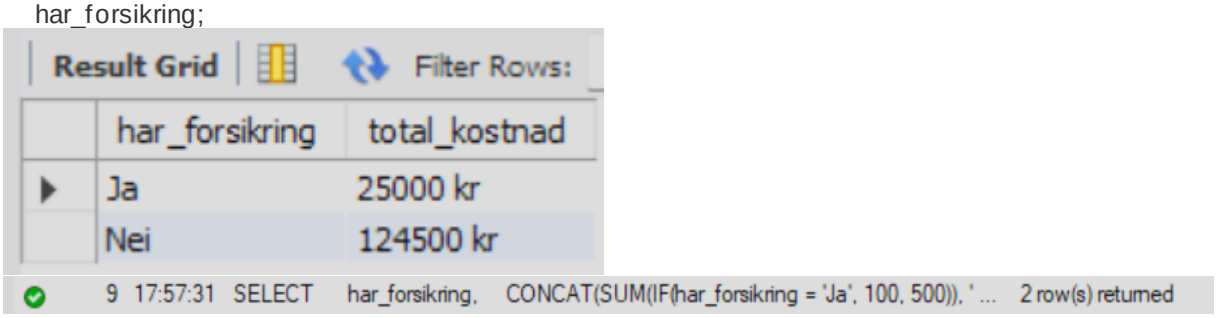
Result Grid | Filter Rov

pasient_id	passord
1	1101963
2	261981
3	361957
4	441967
5	552017
6	662017
7	761993
8	871952
9	971966
10	1081961
11	1171969

2 17:16:45 SELECT pasient_id, CONCAT(pasient_id, LENGTH(etternavn), YEAR(fodselsda... 499 row(s) returned

Oppgave 5:

```
SELECT
    har_forsikring,
    CONCAT(SUM(IF(har_forsikring  = 'Ja', 100, 500)), ' kr') AS total_kostnad
FROM (
    SELECT
        pasient_id,
        IF(pasient_id % 2 = 0, 'Ja', 'Nei') AS har_forsikring
    FROM
        pasienter_med_provins
) AS forsikring_status
GROUP  BY
    har_forsikring;
```



Oppgave 6:

```
SELECT
    p.provins_navn
FROM
    provins p
JOIN
    pasienter_med_provins pmp ON p.provins_id = pmp.provins_id
GROUP  BY
    p.provins_navn
HAVING
    SUM(pmp.kjonn = 'M') > SUM(pmp.kjonn = 'F');
```

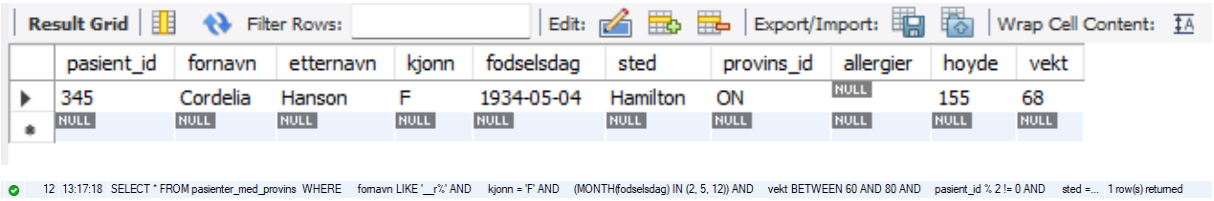
Result Grid

provins_navn
Ontario
Nova Scotia
Alberta
Saskatchewan
Manitoba

8 12:43:53 SELECT p.provins_navn FROM provins p JOIN pasienter_med_provins pmp ON p.provins_id = pmp.provins_id GROUP BY p.provins_navn HAVING SUM(pmp.kjonn = 'M') > SUM(pmp.kjonn = 'F') LIMI... 5 row(s) returned

Oppgave 7:

```
SELECT *
FROM pasienter_med_provins
WHERE
    fornavn LIKE '__r%' AND
    kjonn = 'F' AND
    (MONTH(fodselsdag) IN (2, 5, 12)) AND
    vekt BETWEEN 60 AND 80 AND
    pasient_id % 2 != 0 AND
    sted = 'Hamilton';
```



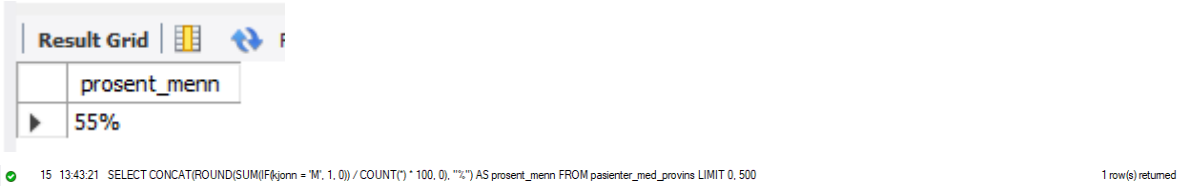
Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content:

pasient_id	fornavn	etternavn	kjonn	fodselsdag	sted	provins_id	allergier	hoyde	vekt
345	Cordelia	Hanson	F	1934-05-04	Hamilton	ON	NULL	155	68
NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL	NULL

12 13:17:18 SELECT * FROM pasienter_med_provins WHERE fornavn LIKE '__r%' AND kjonn = 'F' AND (MONTH(fodselsdag) IN (2, 5, 12)) AND vekt BETWEEN 60 AND 80 AND pasient_id % 2 != 0 AND sted =... 1 row(s) returned

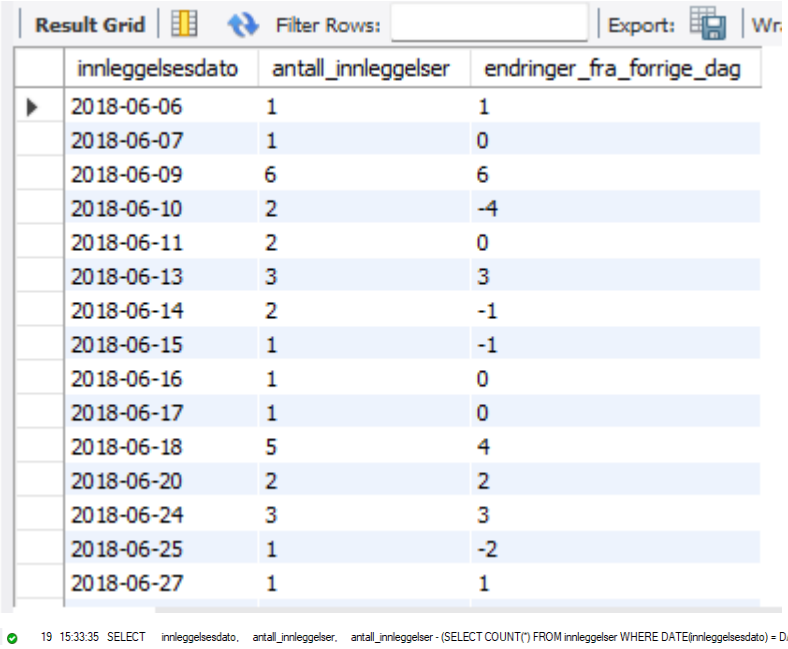
Oppgave 8:

```
SELECT CONCAT(ROUND(SUM(IF(kjonn  = "M", 1, 0)) / COUNT(*)  * 100, 0), "%")
AS prosent_menn
FROM pasienter_med_provins;
```



Oppgave 9:

```
SELECT
    innleggelsesdato,
    antall_innleggelser,
    antall_innleggelser - (SELECT COUNT(*) FROM innleggelser WHERE DATE(innleggelsesdato) =
DATE_SUB(d.innleggelsesdato, INTERVAL 1 DAY)) AS endringer_fra_forrige_dag
FROM (
    SELECT
        DATE(innleggelsesdato) AS innleggelsesdato,
        COUNT(*) AS antall_innleggelser
    FROM innleggelser
    GROUP BY DATE(innleggelsesdato)
) AS d
ORDER BY innleggelsesdato;
```



Result Grid | Filter Rows: | Export: | Wr

innleggelsesdato	antall_innleggelser	endringer_fra_forrige_dag
2018-06-06	1	1
2018-06-07	1	0
2018-06-09	6	6
2018-06-10	2	-4
2018-06-11	2	0
2018-06-13	3	3
2018-06-14	2	-1
2018-06-15	1	-1
2018-06-16	1	0
2018-06-17	1	0
2018-06-18	5	4
2018-06-20	2	2
2018-06-24	3	3
2018-06-25	1	-2
2018-06-27	1	1

19 15:33:35 SELECT innleggelsesdato, antall_innleggelser, antall_innleggelser - (SELECT COUNT(*) FROM innleggelser WHERE DATE(innleggelsesdato) = DATE_SUB(d.innleggelsesdato, INTERVAL 1 DAY)) AS endring... 269 row(s) returned

Oppgave 10:

```
SELECT provins_navn
FROM (
            SELECT provins_navn,
    IF(provins_navn = "Ontario", 0, 1) as ontario
    FROM provins
) as ontario_tabell
ORDER BY ontario, provins_navn;
```

Result Grid | Filter Rows:

provins_navn
Ontario
Alberta
British Columbia
Manitoba
New Brunswick
Newfoundland and Labrador
Northwest Territories
Nova Scotia
Nunavut
Prince Edward Island
Quebec
Saskatchewan
Yukon

26 15:41:33 SELECT provins_navn FROM (SELECT provins_navn, IF(provins_navn = "Ontario", 0, 1) as ontario FROM provins) as ontario_tabell ORDER BY ontario, provins_navn LIMIT 0, 500 13 row(s) returned

Oppgave 11:

```
SELECT
    l.lege_id,
    CONCAT(fornavn, " ", etternavn) as fullt_navn,
    l.spesialitet,
    YEAR(innleggelsesdato) as år,
    COUNT(*) as antall_håndteringer
FROM leger l
JOIN innleggelser i on l.lege_id = i.lege_id
GROUP BY YEAR(innleggelsesdato), lege_id;
```

Result Grid | Filter Rows: | Export: | Wrap Cell Content:

lege_id	fullt_navn	spesialitet	år	antall_håndteringer
1	Claude Walls	Internist	2019	8
1	Claude Walls	Internist	2018	9
2	Joshua Green	Cardiologist	2019	9
2	Joshua Green	Cardiologist	2018	14
3	Miriam Tregre	General Surgeon	2018	12
3	Miriam Tregre	General Surgeon	2019	4
4	James Russo	Obstetrician/Gynecologist	2019	6
4	James Russo	Obstetrician/Gynecologist	2018	9
5	Scott Hill	Gastroenterologist	2018	9
5	Scott Hill	Gastroenterologist	2019	5
6	Tasha Phillips	Psychiatrist	2018	5
6	Tasha Phillips	Psychiatrist	2019	10
7	Hazel Patter...	Oncologist	2018	15
7	Hazel Patter...	Oncologist	2019	11
8	Mickey Duval	Pediatrician	2018	9

31 15:59:59 SELECT l.lege_id, CONCAT(fornavn, " ", etternavn) as fullt_navn, l.spesialitet, YEAR(innleggelsesdato) as år, COUNT(*) as antall_håndteringer FROM leger l JOIN innleggelser i on l.lege_id = i.lege_id GROUP BY ye... 54 row(s) returned