

# Arbeidskrav2

## Oppgave 1

a)

```
select fornavn, etternavn
from forfatter
order by etternavn;
```

b)

```
select forlag.forlag_id
from forlag
left join bok
on forlag.forlag_id = bok.forlag_id
where bok_id IS NULL;
```

c)

```
select * from forfatter
where fode_aar < 1900;
```

d)

```
select forlag.forlag_navn, forlag.adresse
from bok
join forlag
on bok.forlag_id = forlag.forlag_id
where bok.tittel = 'sult';
```

e)

```
select tittel
from bok
join bok_forfatter
on bok.bok_id = bok_forfatter.bok_id
join forfatter
on bok_forfatter.forfatter_id = forfatter.forfatter_id
where forfatter.etternavn = 'Hamsund';
```

f)

```
select concat('tittel: ', bok.tittel, ', utgivelse: ', bok.utgitt_aar) as
'bokInfo',
       concat('forlag: ', forlag.forlag_navn, ', ', forlag.adresse, ', ',
forlag.telefon) as 'forlagInfo'
from bok
join forlag
on bok.forlag_id = forlag.forlag_id;
```

## Oppgave 2

a)

```
select goal.teamid, goal.player, goal.gtime, game.mdate
from goal
join game
on goal.matchid = game.id
where teamid = 'GER';
```

b)

```
select goal.player, count(goal.player) as goalCount
from goal
where teamid = 'GER'
group by goal.player
order by goalCount desc ;
```

c)

```
select goal.player, goal.teamid, eteam.coach, goal.gtime
from goal
join eteam
on goal.teamid = eteam.id
where gtime <= 10;
```

d)

```
select game.mdate, eteam.coach
from game
join eteam
on game.team1 = eteam.id
where eteam.coach = 'Fernando Santos';
```

e)

```
select game.mdate, eteam.coach
from game
join eteam
on game.team1 = eteam.id
or game.team2 = eteam.id
where eteam.coach = 'Fernando Santos';
```