Problem 1

```
select *
from   emp
where  hiredate is not null and lastname like 'smith%'
```

Problem 2

```
select e.*
from  emp e left outer join annualreview ar
on e.empid = ar.empid
where ar.empid is null
order by hiredate
```

Problem 3

```
(
select max(hiredate) from emp
),
(
select min(hiredate) from emp
)
```

Problem 4

```
SELECT datediff(dd,mindate,maxdate)
FROM
(
SELECT getdate() as maxdate
) x,
(
SELECT min(hiredate) mindate from emp
) y
```