- 5.8

```
select * from
(select student,sum(marks) total,rank() over (order by sum(marks) desc) rk
from s
group by student) a
where rk <= 10;
```

- 5.9

```
select a.*,rank() over (order by sharestraded desc) rk
from nyse a
order by 3 desc
```

- 5.10

```
select year,month,day,sum(sharestraded) num,sum(dollar_volumn) dollars
from nyse
group by rollup(year,month,day);
```

- 5.11

```
group by rollup(a),rollup(b),rollup(c),rollup(d)
```

- 5.15

```
select distinct company_name
from works a
where avg_salary(a.company_name) > avg_salary('First Bank');
```

- 5.22

```
select a+c,ntile(20) over (order by a) tile
from s;
```

- 5.23

```
select year,month,
avg(dollars) over (order by year,month rows between 2 preceding and current
     row) avg_3mons
from
(select year,month,sum(dollar_volumn) dollars
from nyse
group by year,month)
```

- 5.24

building	room_number	time_slot_id	count(*)
Garfield	359	A	1
Garfield	359	B	1
Garfield	359		2
Garfield			2
Saucon	651	A	1
Saucon	550	C	1
Saucon	651		1
Saucon	550		1
Saucon			2
Painter	705	D	1
Painter	403	D	1
Painter	705		1
Painter	403		1
Painter			2
			6