

```
--3.1.1
SELECT COUNT(*)
  AS "No. Records in LECTURING"
FROM lecturing
;
SELECT COUNT(*)
  AS "No. Records in COURSES"
FROM courses
;
SELECT COUNT(*)
  AS "No. Records in STAFF"
FROM staff
;
;
```

```
--3.1.2
SELECT sid, firstname, lastname
FROM staff
WHERE office > 199
;
;
```

```
--3.1.3
SELECT office, phone, lastname
FROM staff
WHERE firstname = 'Mark'
;
;
```

```
--3.1.4
SELECT firstname, lastname, phone
FROM staff
WHERE office > 100
ORDER BY firstname DESC
;
;
```

```
--3.1.5
SELECT sid
FROM staff
WHERE title <> 'Prof'
ORDER BY sid
;
;
```

```
--3.2.1
SELECT cid
FROM courses
WHERE level > 1 AND level < 4 AND
semester = 1
;
;
```

```
--3.2.2
SELECT firstname, lastname, office,
phone
FROM staff
WHERE phone IS NULL
  AND office IS NOT NULL
;
;
```

```
--3.2.3
SELECT *
FROM lecturing
WHERE year = 2000 OR year >= 2002
ORDER BY cid
;
;
```

```
--3.2.4a
SELECT firstname, lastname, office
FROM staff
WHERE office IN (
  SELECT office
  FROM staff
  WHERE office IS NOT NULL
  GROUP BY office
  HAVING COUNT(*) > 1
)
ORDER BY office
;
;
```

```
--3.2.4b
SELECT office
FROM staff
WHERE office IS NOT NULL
EXCEPT ALL
SELECT DISTINCT office
FROM staff
ORDER BY office
;
;
```

```
--3.2.5
SELECT cid, AVG(numbers)
  AS "Average Numbers" ,
  MAX(year) AS "Last Year Given"
FROM lecturing
WHERE year > 2000
GROUP BY cid
ORDER BY cid
;
;
```

```
--3.2.6
SELECT cid, AVG(numbers)
  AS "Average Numbers",
  MAX(year) AS "Last Year Given",
  COUNT(sid) AS "No. Lecturers"
FROM lecturing
WHERE year > 2000
GROUP BY cid
HAVING COUNT(sid) > 1
ORDER BY cid
;
;
```

```
--3.2.7
SELECT bc, MIN(mark)
FROM allmarks04
WHERE mark >= 40
GROUP BY bc
HAVING MIN(mark) > 5 +
  (SELECT AVG(mark) FROM allmarks04)
;
;
```