

## Assignment 4

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### Problem 60

```
SELECT BOOK_YEAR
FROM BOOK
GROUP BY BOOK_YEAR;
```

### Problem 61

```
select BOOK_SUBJECT
from BOOK
group by BOOK_SUBJECT;
```

### Problem 65

```
select BOOK_NUM, BOOK_TITLE, BOOK_COST
from BOOK
where BOOK_COST = 59.95
order by BOOK_NUM;
```

### Problem 72

```
select PAT_ID, PAT_FNAME, PAT_LNAME
from PATRON
where PAT_TYPE = 'student'
order by PAT_ID;
```

### Problem 73

```
select PAT_ID, PAT_FNAME, PAT_LNAME, PAT_TYPE
from PATRON
where PAT_LNAME like 'c%'
order by PAT_ID;
```

### Problem 74

```
select AU_ID, AU_FNAME, AU_LNAME
from AUTHOR
where AU_BIRTHYEAR is NULL
order by AU_ID;
```

#### Problem 78

```
select count(BOOK_NUM) as `Number of Books`  
from BOOK;
```

#### Problem 79

```
select count(DISTINCT BOOK_SUBJECT) as `Number of Subjects`  
from BOOK;
```

#### Problem 80

```
select count(BOOK_NUM) as `Available Books`  
from BOOK  
where PAT_ID is NULL;
```

#### Problem 81

```
select max(BOOK_COST) as `Most Expensive`  
from BOOK;
```

#### Problem 82

```
select min(BOOK_COST) as `Least Expensive`  
from BOOK;
```

#### Problem 83

```
select count(DISTINCT PAT_ID) as `DIFFERENT PATRONS`  
from CHECKOUT;
```

#### Problem 85

```
select AU_ID, count(BOOK_NUM) as `Books Written`  
from WRITES  
group by AU_ID  
order by count(BOOK_NUM) desc, AU_ID;
```

#### Problem 101

```
select PATRON.PAT_ID, PAT_FNAME, PAT_LNAME  
from PATRON  
left join CHECKOUT on PATRON.PAT_ID = CHECKOUT.PAT_ID  
where CHECK_NUM is NULL  
order by PAT_LNAME, PAT_FNAME;
```