

SQL 4 In-class

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1. Find the total number of attendees for each day there was a show. Don't forget that a single day can have multiple shows!

```
SELECT SUM(attendanceNumber)
FROM Show
GROUP BY day
```

2. Find the total number of Canadian musicians per instrument

```
SELECT COUNT(*)
FROM Musician
WHERE nationality = 'Canadian'
GROUP BY instrument
```

3. For all the shows where the audience's average age is greater than the average age of our mailing list, what songs were performed?

```
SELECT Composer, Title
FROM Purchase p1, Person p2, SongsPerformed p3
WHERE p1.email = p2.email, p1.showID = p3.showID
GROUP BY p1.showID
HAVING AVG(age) > (SELECT AVG(age)
                   FROM Person)
```