

WHERE the wild things are

INTRODUCTION TO SQL SERVER



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Instructor



```
SELECT song, artist
FROM songlist
WHERE
    artist = 'AC/DC';
```

```
+-----+-----+
| song          | artist |
+-----+-----+
| Baby, Please Don't Go | AC/DC  |
| Back In Black  | AC/DC  |
| Big Gun        | AC/DC  |
| CAN'T STOP ROCK'N'ROLL | AC/DC  |
| Girls Got Rhythm | AC/DC  |
| Hard As A Rock  | AC/DC  |
| Have a Drink On Me | AC/DC  |
| Hells Bells     | AC/DC  |
+-----+-----+
```

```
SELECT song, artist
FROM songlist
WHERE
    artist = 'AC/DC'
    AND release_year < 1980;
```

```
+-----+-----+
| song          | artist |
+-----+-----+
| Dirty Deeds Done Dirt Cheap | AC/DC  |
| Highway To Hell              | AC/DC  |
| It's A Long Way To The Top  | AC/DC  |
| Let There Be Rock           | AC/DC  |
| Night Prowler               | AC/DC  |
| T.N.T.                     | AC/DC  |
| Touch Too Much              | AC/DC  |
| Whole Lotta Rosie           | AC/DC  |
+-----+-----+
```

AND again

- Returns 3 rows:

```
SELECT *  
FROM songlist  
WHERE  
    release_year = 1994  
    AND artist = 'Green Day';
```

- Returns 1 row:

```
SELECT *  
FROM songlist  
WHERE  
    release_year = 1994  
    AND artist = 'Green Day'  
    AND song = 'Basket Case';
```

```
SELECT
    song,
    artist,
    release_year
FROM songlist
WHERE release_year = 1994;
```

```
+-----+-----+-----+
| song          | artist          | release_year |
+-----+-----+-----+
| Black Hole Sun | Soundgarden     | 1994         |
| Fell On Black Days | Soundgarden     | 1994         |
| Spoonman       | Soundgarden     | 1994         |
| Big Empty      | Stone Temple Pilots | 1994         |
| Interstate Love Song | Stone Temple Pilots | 1994         |
| Vasoline       | Stone Temple Pilots | 1994         |
+-----+-----+-----+
```

```

SELECT
    song,
    artist,
    release_year
FROM songlist
WHERE
    release_year = 1994
    OR release_year > 2000;

```

```

+-----+-----+-----+
| song          | artist          | release_year |
+-----+-----+-----+
| Doom And Gloom | Rolling Stones  | 2012         |
| Remedy         | Seether         | 2005         |
| 45             | Shinedown       | 2003         |
| Black Hole Sun | Soundgarden     | 1994         |
| Fell On Black Days | Soundgarden    | 1994         |
| Spoonman       | Soundgarden     | 1994         |
| It's Been Awhile | Staind          | 2001         |
| Big Empty      | Stone Temple Pilots | 1994         |
| Interstate Love Song | Stone Temple Pilots | 1994         |
| Vasoline       | Stone Temple Pilots | 1994         |
+-----+-----+-----+

```

```
SELECT song
FROM songlist
WHERE
    artist = 'Green Day'
    AND release_year = 1994;
```

```
+-----+
| song          |
|-----|
| Basket Case   |
| Longview      |
| When I Come Around |
+-----+
```

```
SELECT song
FROM songlist
WHERE
    artist = 'Green Day'
    AND release_year > 2000;
```

```
+-----+
| song          |
|-----|
| Boulevard Of Broken Dreams |
| Holiday (Live) |
| Holiday       |
+-----+
```

```
SELECT song
FROM songlist
WHERE
    artist = 'Green Day'
    AND release_year = 1994
    OR release_year > 2000;
```

```
+-----+
| song                                     |
|-----|
| Doom And Gloom                         |
| Remedy                                 |
| 45                                     |
| It's Been Awhile                       |
| Goodbye Daughters of the Revolution    |
| Gold On The Ceiling                    |
| Lonely Boy                             |
| Seven Nation Army                      |
| Get Together                           |
| Vertigo                                |
| When I'm Gone                          |
| ...                                    |
| ...                                    |
+-----+
```


What went wrong?

```
SELECT *  
FROM songlist  
WHERE  
    artist = 'Green Day'  
    AND release_year = 1994  
    OR release_year > 2000;
```

```
SELECT *  
FROM songlist  
WHERE  
    artist = 'Green Day'  
    AND release_year = 1994;
```

OR

```
SELECT *  
FROM songlist  
WHERE  
    release_year > 2000;
```

```

SELECT song
FROM songlist
WHERE
  artist = 'Green Day'
  AND (
    release_year = 1994
    OR release_year > 2000
  );

```

Another way of writing the query:

```

SELECT song
FROM songlist
WHERE
  (
    artist = 'Green Day'
    AND release_year = 1994
  )
  OR (
    artist = 'Green Day'
    AND release_year > 2000
  );

```

```

+-----+
| song                                     |
+-----+
| Basket Case                             |
| Boulevard Of Broken Dreams              |
| Holiday (Live)                          |
| Holiday / Boulevard of Broken Dreams   |
| Longview                                |
| When I Come Around                      |
+-----+

```

```
SELECT song, artist
FROM songlist
WHERE
    artist IN ('Van Halen', 'ZZ Top')
ORDER BY song;
```

```
+-----+-----+
| song          | artist  |
+-----+-----+
| (Oh) Pretty Woman | Van Halen |
| 1984/jump        | Van Halen |
| A Fool for Your Stockings | ZZ Top  |
| Ain't Talkin' 'bout Love   | Van Halen |
| And the Cradle Will Rock... | Van Halen |
| Arrested For Driving While Blind | ZZ Top  |
| Atomic Punk        | Van Halen |
+-----+-----+
```

```
SELECT song, release_year
FROM songlist
WHERE
    release_year IN (1985, 1991, 1992);
```

```
+-----+-----+
| song          | release_year |
+-----+-----+
| Addicted to Love   | 1985        |
| Don't You         | 1985        |
| Come As You Are    | 1991        |
| Money for Nothing  | 1985        |
| Walk of Life       | 1985        |
| Man On the Moon    | 1992        |
| Breaking the Girl   | 1992        |
| You Belong to the City | 1985        |
| Enter Sandman      | 1991        |
| In Bloom           | 1991        |
+-----+-----+
```

```
SELECT song
FROM songlist
WHERE song LIKE 'a%';
```

```
+-----+
| song   |
+-----+
| Addicted to Love |
| Ain't Too Proud to Beg |
+-----+
```

```
SELECT artist
FROM songlist
WHERE artist LIKE 'f%';
```

```
+-----+
| artist |
+-----+
| Faces  |
| Faith No More |
+-----+
```