# Introduction to
# **Databases with SQL**

Querying

# 15.

No. 58.  *Nazi-Maruttash*, year *13th*

**Contents:** The payment of grain and dates as temple stipends for twelve months.

| [Nisani] | Airu | Simânu | Dûzu | Abu | Ulûlu | naphar (sha i-na qât mHu nabi mah-rum) | Tashrîtu | Arahshamna | Kislimu | Tebitu | Shabâtu | Adaru | naphar ski'um (sha qât libbi abulli i-na libbi she'i sha Zarat-IMki u suluppu mahrum) | naphar | a-wi-lu-tum | MU-BI-im |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | KAL | mSin-da-ma-qu, "overseer." |
| 72qa | 72qa | 72qa | 72qa | 72qa | 72qa | 2gur 72qa | 72qa | 72qa | 72qa | 72qa | 72qa | 72qa | 2gur 72qa | 4gur 144qa | KAL | mSin-mu-shab-shi, "temple servant." |
| 72qa | 72qa | 72qa | 72qa | 72qa | 72qa | 2gur 72qa | 72qa | 72qa | 72qa | 72qa | 72qa | 72qa | 2gur 72qa | 4gur 144qa | KAL | mIp-pa-c-a  ù(ditto) |
| 5 | 72qa | 72qa | 72qa | 72qa | 72qa | 72qa | 2gur 72qa | 72qa | 72qa | 72qa | 72qa | 72qa | 72qa | 2gur 72qa | 4gur 144 | KAL | mIdinanni-Shamash, "keeper." |
| 30qa | 30qa | 30qa | 30qa | 30qa | 30qa | 1 gur | 30qa | 30qa | 30qa | 30qa | 30qa | 30qa | 1 gur | 2 gur | SAL or f | Tam-bi-Da-du, "his wife." |
| 24qa | 24qa | 24qa | 24qa | 24qa | 24qa | 144 qa | 24qa | 24qa | 24qa | 24qa | 24qa | 24 | 144 gur | 1gur 108qa | SAL-TUR | Da-li-lu-sha, "his daughter", "seeress." |
| 18qa | 18qa | 18qa | 18qa | 18qa | 18qa | 108 qa |  |  |  |  |  |  |  |  | KAL-TUR | mArdu-Nusku, "his son," ultu Tashrítu harrânu. |
| 12qa | 12qa | 12qa | 12qa | 12qa | 12qa | 72 qa | 12qa | 12qa | 12qa | 12qa | 12qa | 12qa | 72 qa | 144 qa | KAL-TUR-TUR | mNusku-ki-na-u-ṣur, "his [grand] son." |
| 10 | 6qa | 6qa | 6qa | 6qa | 6qa | 6qa | 36 qa | 6qa | 6qa | 6qa | 6qa | 6qa | 6qa | 36 qa | 72 qa | TUR-GAB | mGab-mar-ta-ash, "his son." |
| 72qa | 72qa | 72qa | 72qa | 72qa | 72qa | 2gur 72qa | 72qa | 72qa | 72qa | 72qa | 72qa | 72qa | 2gur 72qa | 4gur 144qa | KAL | mA-na-dShe-mi-i-at-kal, "grinder." |
| 48qa | 48qa | 48qa | 48qa | 48qa | 48qa | 1gur 108qa | 48qa | 48qa | 48qa | 48qa | 48qa | 48qa | 1gur 108qa | 3gur 36qa | SAL or f | Ish-tar-bc-li-uṣ-ri. |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | KAL-TUR | mUshab-shi-uz-ni-a-na-ili, "her son," harrânu. |
| 24qa | 24qa | 24qa | 24qa | 24qa | 24qa | 144 qa | 24qa | 24qa | 24qa | 24qa | 24qa | 24qa | 144 qa | 1gur 108qa | KAL-TUR-TUR | mDu-uk-ki-in-ilu, hSHI(?) "her [grand] son." |
| 15 | 30qa | 30qa | 30qa | 30qa | 30qa | 30qa | 1 gur | 30qa | 30qa | 30qa | 30qa | 30qa | 30qa | 1 gur | 2 gur | SAL-TUR | Ba-su-un-du, "her daughter," "seeress." |
| 12qa | 12qa | 12qa | 12qa | 12qa | 12qa | 72 qa | 12qa | 12qa | 12qa | 12qa | 12qa | 12qa | 72 qa | 144 qa | SAL-TUR-GAB | Hu-la-la-tum, "her daughter." |
| 6qa | 6qa | 6qa | 6qa | 6 qa | 6qa | 36 qa | 6qa | 6qa | 6qa | 6qa | 6qa | 6qa | 36qa | 72 qa | TUR-GAB | I-na-résh-Marduk-di-nu. "her son." |
| 48qa | 48qa | 48qa | 48qa | 48qa | 48qa | 1gur 108qa | 48qa | 48qa | 48qa | 48qa | 48qa | 48qa | 1gur 108qa | 3gur 36qa | SAL or f | Bélit-balâtu-térish(-ish) |
| 18qa | 18qa | 18qa | 18qa | 18qa | 18qa | 108 qa | 18qa | 18qa | 18qa | 18qa | 18qa | 18qa | 108 qa | 1gur 36qa | KAL-TUR-TUR | mLul-ta-mar-Nusku, "her son," "weaver." |
| 20 | 12qa | 12qa | 12qa | 12qa | 12qa | 12qa | 72 qa | 12qa | 12qa | 12qa | 12qa | 12qa | 12qa | 72 qa | 144 qa | SAL-TUR-GAB | Rabâ-sha-dIsh-ha-ra, "her daughter." |
| 6qa | 6qa | 6qa | 6qa | 6qa | 6qa | 36 qa | 6qa | 6qa | 6qa | 6qa | 6qa | 6qa | 36 qa | 72 qa | SAL-TUR-GAB | Di-ni-ili-lu-mur, "her daughter." |
| 48qa | 48qa | 48qa | 48qa | 48qa | 48qa | 1gur 108qa | 48qa | 48qa | 48qa | 48qa | 48qa | 48qa | 1gur 108qa | 3gur 36qa | SAL or f | Mi-sha-ri-tum. |
| 48qa | 48qa | 48qa | 48qa | 48qa | 48qa | 1gur 108qa | 48qa | 48qa | 48qa | 48qa | 48qa | 48qa | 1gur 108qa | 3gur 36qa | SAL or f | I-na-Ak-ka-di-rab-bat. |

Song of Solomon

Goodnight Moon

Pat Conroy

Prince of Tides

Antoine de Saint-Exupéry

Le Petit Prince

The Overstory

F. Scott Fitzgerald

The Great Gatsby

Toni Morrison

Richard Powers

Frankenstein

Margaret Wise Brown

Mary Shelley

| title | author |
| --- | --- |
| Song of Solomon | Toni Morrison |
| Goodnight Moon | Margaret Wise Brown |
| The Overstory | Richard Powers |
| The Great Gatsby | F. Scott Fitzgerald |
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| Prince of Tides | Pat Conroy |

Apple Numbers

Google Sheets

Microsoft Excel

...

# Scale

Scale

Frequency

Scale

Frequency

Speed

# Database

A collection of data organized for creating, reading, updating, and deleting.

# Database Management System

Software via which you can interact with a database.

MySQL

Oracle

PostgreSQL

SQLite

…

# SQL

A language via which you can create, read, update, and delete data in a database.

# Structured Query Language

A language via which you can create, read, update, and delete data in a database.

# SQL

A language via which you can create, read, update, and delete data in a database.

# Querying

What's the most-liked post on our platform?

Is our number of daily users growing or shrinking?

Which songs are most like the song
a user just played?

The Booker Prizes

Visual Studio Code
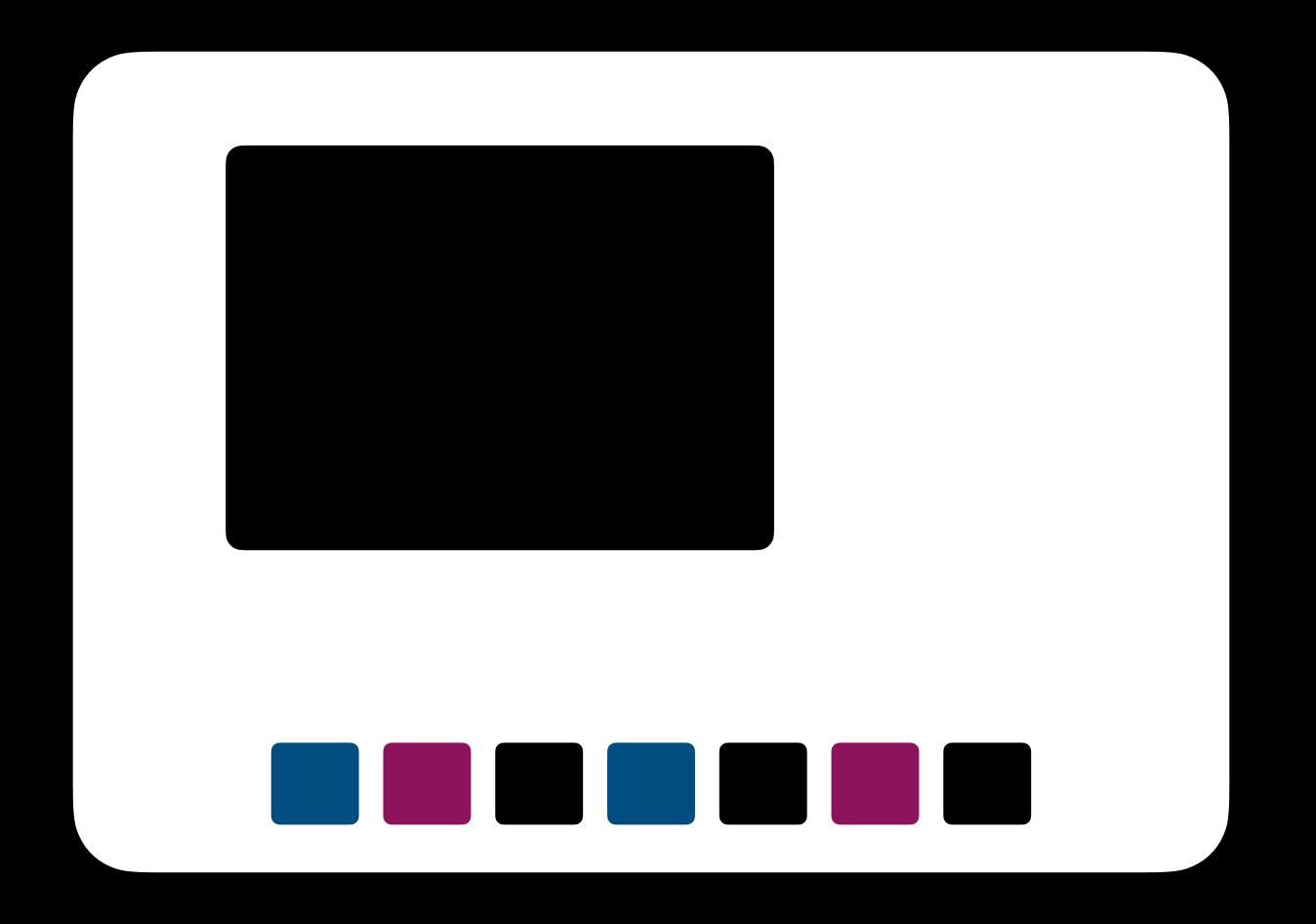
SQLite

...

VS Code

SQLite

...

Phones

Desktop

Websites

```
sqlite3 FILENAME
```

# What data is in our database?

# SELECT

LIMIT

WHERE

=

!=

<>

NOT
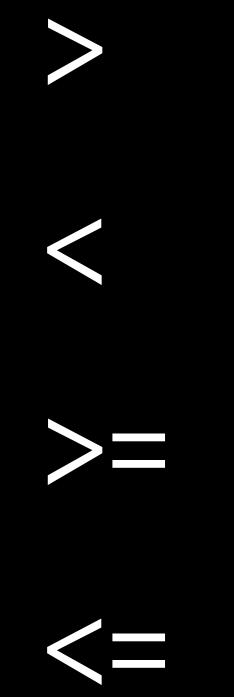
NULL

IS NULL

IS NOT NULL

LIKE

%

—

AND

OR

( )

>

<

>=

<=

BETWEEN ... AND ...

ORDER BY

ORDER BY ... ASC

ORDER BY ... DESC

COUNT

AVG

MIN

MAX

SUM

ROUND

DISTINCT

.quit

```
SELECT column FROM table;
```

```
SELECT COUNT(column) FROM table;
```

```
SELECT AVG(column) FROM table;
```

```
SELECT column FROM table
WHERE condition;
```

```
SELECT column FROM table
WHERE column = value;
```

```
SELECT column FROM table
WHERE column LIKE pattern;
```

```sql
SELECT column FROM table
WHERE condition0 AND condition1;
```

```
SELECT column FROM table
WHERE condition0 OR condition1;
```

```
SELECT column FROM table
WHERE condition
ORDER BY column;
```

```
SELECT column FROM table

WHERE condition

ORDER BY column

LIMIT number;
```

# Introduction to
# **Databases with SQL**

Querying