Content Providers

It is the way to make the private data of an application sharable with other applications.

Data Providers

(Database)

Apps

# Access URI (Uniform Resource Identifier)

Every Content Provides creates a URI access link.

Example:



## Parts of URI

1. Scheme: 
2. Authority: name of the provider (Database)
3. Path: Path to the database table (path + data)



There are two modules to work with Content Providers:

# Content Resolver

Read, write, or update the shared data. (CRUD)

It requires five things

1. URI of data 🡪 Path to fetch the data
2. Selection of Columns, also called Projections, as String Array
3. Selection Clause OR where clause as String Array
4. Selection Arguments
5. Sort Order: Ascending or Descending

## Create an application that reads contact names from the phone

Give Permissions



Code:



# Content Provider

1. Create a database class
2. Create Content Resolver(Provide any authority name that’s unique)

https://github.com/SajjadAli54/content-providers.git