

Creating Temporary Tables

MAD 202



TEMPORARY TABLES

- Commonly used to:
 - Store the result of a complex, time-consuming query once and use the result in subsequent queries
 - Create an image or snapshot at a particular moment in time
 - Hold the result of a subquery
 - Hold intermediate results of long or complex calculations



Temporary Tables

- The temporary table is emptied automatically at the end of the session (time you are connected to the DBMS) or transaction
- Temporary tables follow the same rules with regard to names, column names, data types, etc.
- Define a temp table with CREATE TABLE and then additional syntax:
 - GLOBAL TEMPORARY (available to you and other users)
 - LOCAL TEMPORARY (available only to you)



Temporary Table Example

- Temporary table has no rows initially

```
CREATE TEMPORARY TABLE editors
(
    ed_id CHAR(3),
    ed_fname VARCHAR(15),
    ed_lname VARCHAR(15),
    phone VARCHAR(12),
    pu_id CHAR(3)
);
```

