

# Database Normalization #8

Let us take the example of a simple movie library. Each movie has a description, director, and serial number. Customers have a name, address, and membership number. Assume only one copy of each movie exists in the library. We are given the following relations and determinants. The keys for each relation are **CAPITALIZED**.

Relations (The key is CAPITALIZED):  
customer(name,addr,MEMBERNO)  
movie(DESCRIPTION,director,serialno)  
borrow(memberno,DATE,SERIALNO)

Which of these determinants is a **NON-KEY** dependency? In the text box, only enter the index number (1-6) of the dependency which you have identified as non-key.

- 1. description->director,serialno
- 2. serialno->description
- 3. serialno->director
- 4. name,addr -> memberno
- 5. memberno -> name,addr
- 6. serialno,date -> memberno

## Output Format

In the text box, only enter the index number (1-6) of the dependency which you have identified as non-key.