

# 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.