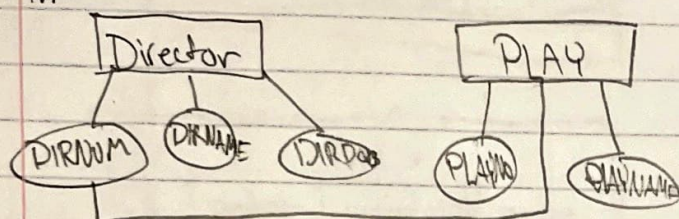


Henry Wilt

## ER Modeling

### Chapter 8

- 2) i. DIRNUM is primary key for Director table  
PlayNO is primary key for Play table  
ii. DIRNUM is foreign key  
iii. DIRNAME & DIRDOB are candidate keys in Director table  
PLAYNAME are candidate keys in Play table  
iv.



v. Yes it does because DIRNUM column is full for each id.

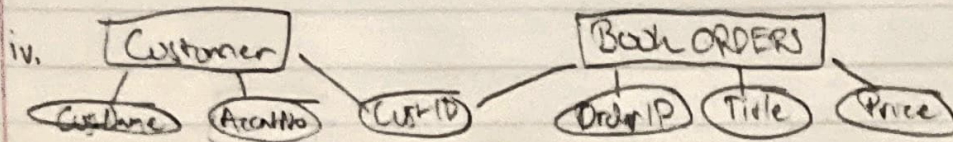
- 4) i. Truck → TNUM  
BASE → BASENUM  
TYPE → TYPENUM } Primary keys

Truck → BASENUM  
→ TYPENUM } Foreign keys

- ii. Truck table does not have referential integrity because for TNUM 1004 it does not have a foreign key attached to BASENUM  
iii. one to one relationship  
iv. 4 entities  
v. TMILES, TBOUGHT, TSERIAL are candidate keys

- 5) i. CUSTID → CUSTOMER table } Primary Keys  
ORDERID → BOOKORDER table }  
ii. CUSTID } Foreign key  
iii. CUSTOMER → CustName  
→ AcctNo.  
BOOKORDERS → Title  
→ Price } Candidate keys





- v. It does because every entity has a corresponding foreign key  
vi. No other table contains redundant data.