### Types of relationship in dbms (Based on degree)

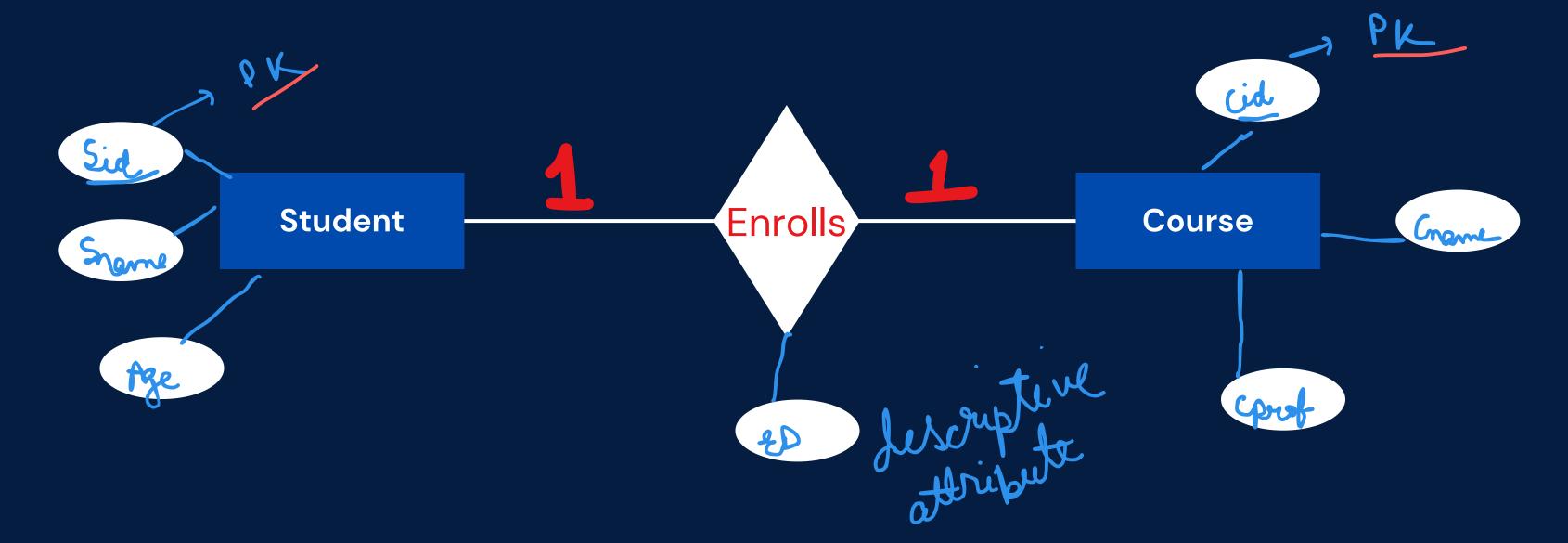
There are 4 types of relationship:

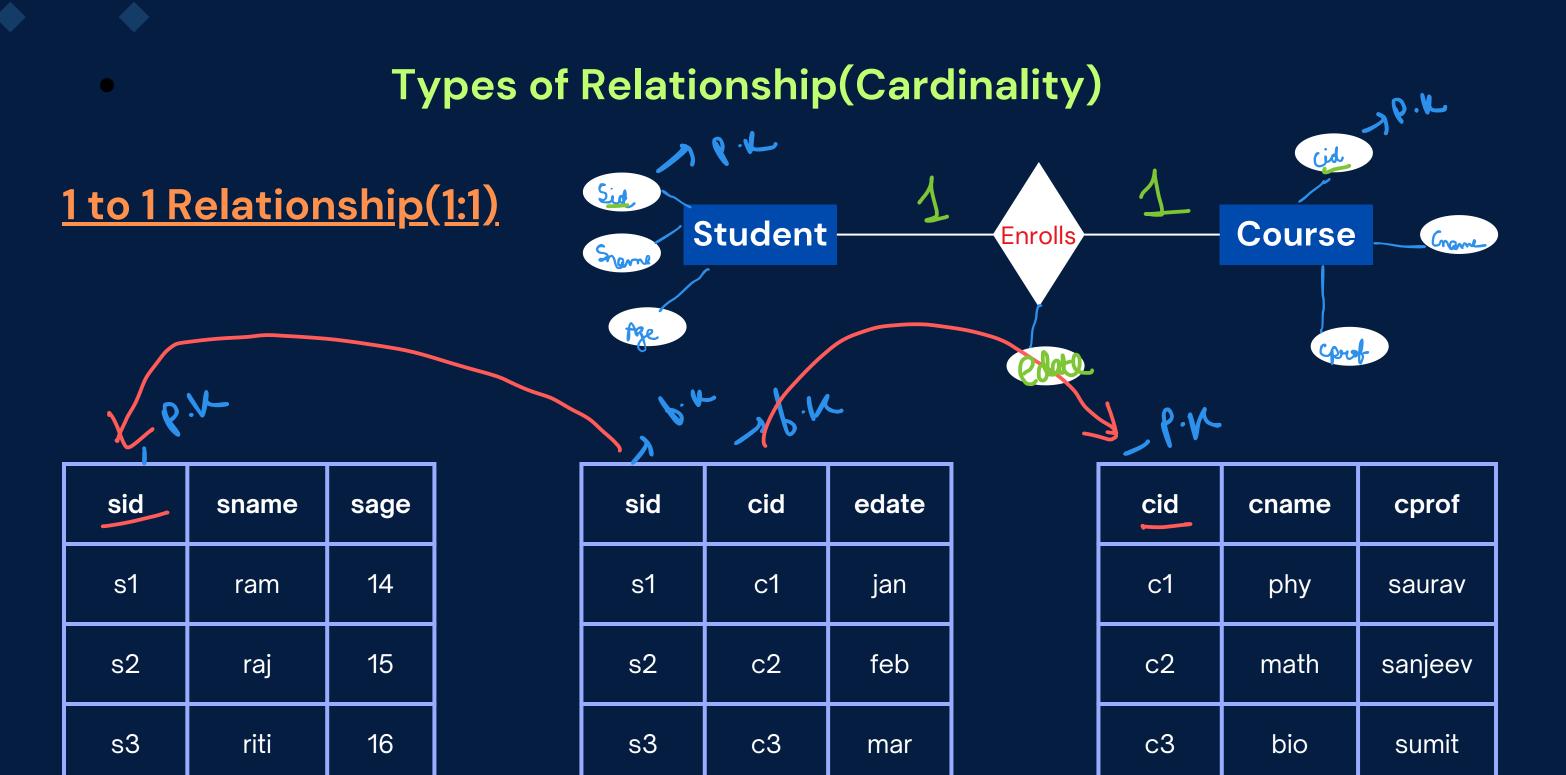
- one to one (1-1)
- one to many (1-N)
- many to one (N-1)
- many to many (N-N)

#### Types of Relationship(Cardinality)

#### 1 to 1 Relationship (1:1)

A complex attribute is an attribute that is made up of multiple smaller attributes





assume (P.h)

# ER MODEL IN DBMS

sid	sname	sage
s1	ram	14
s2	raj	15
s3	riti	16

- 1			
	sid	cid	edate
	s1	c1	jan
	s2	c2	feb
ָל	s3	с3	mar

cid	cname	cprof
c1	phy	saurav
c2	math	sanjeev
c3	bio	sumit

26	1
----	---

sid	sna me	sag e	cid	edate
s1	ram	14	c1	jan
s2	raj	15	c2	feb
s3	riti	16	сЗ	mar

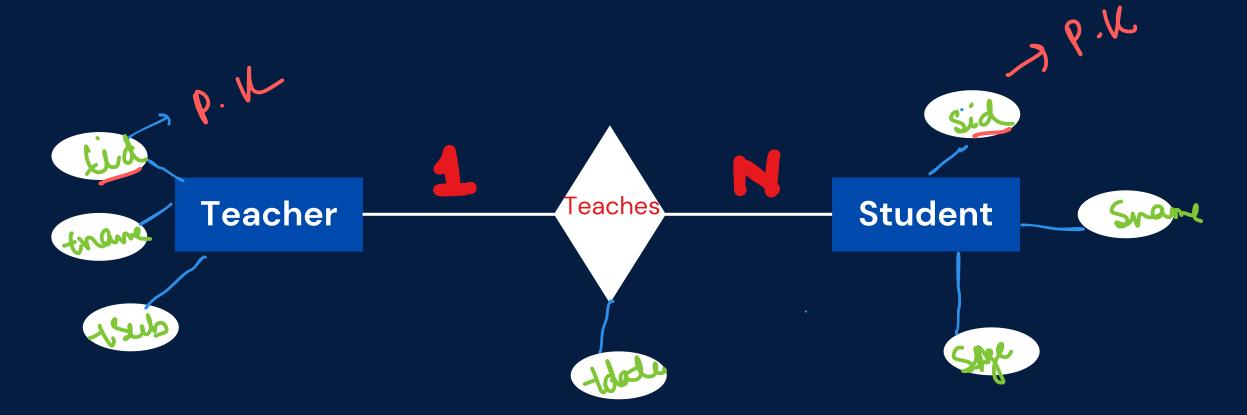
cid	cname	cprof
c1	phy	saurav
c2	math	sanjeev
сЗ	bio	sumit

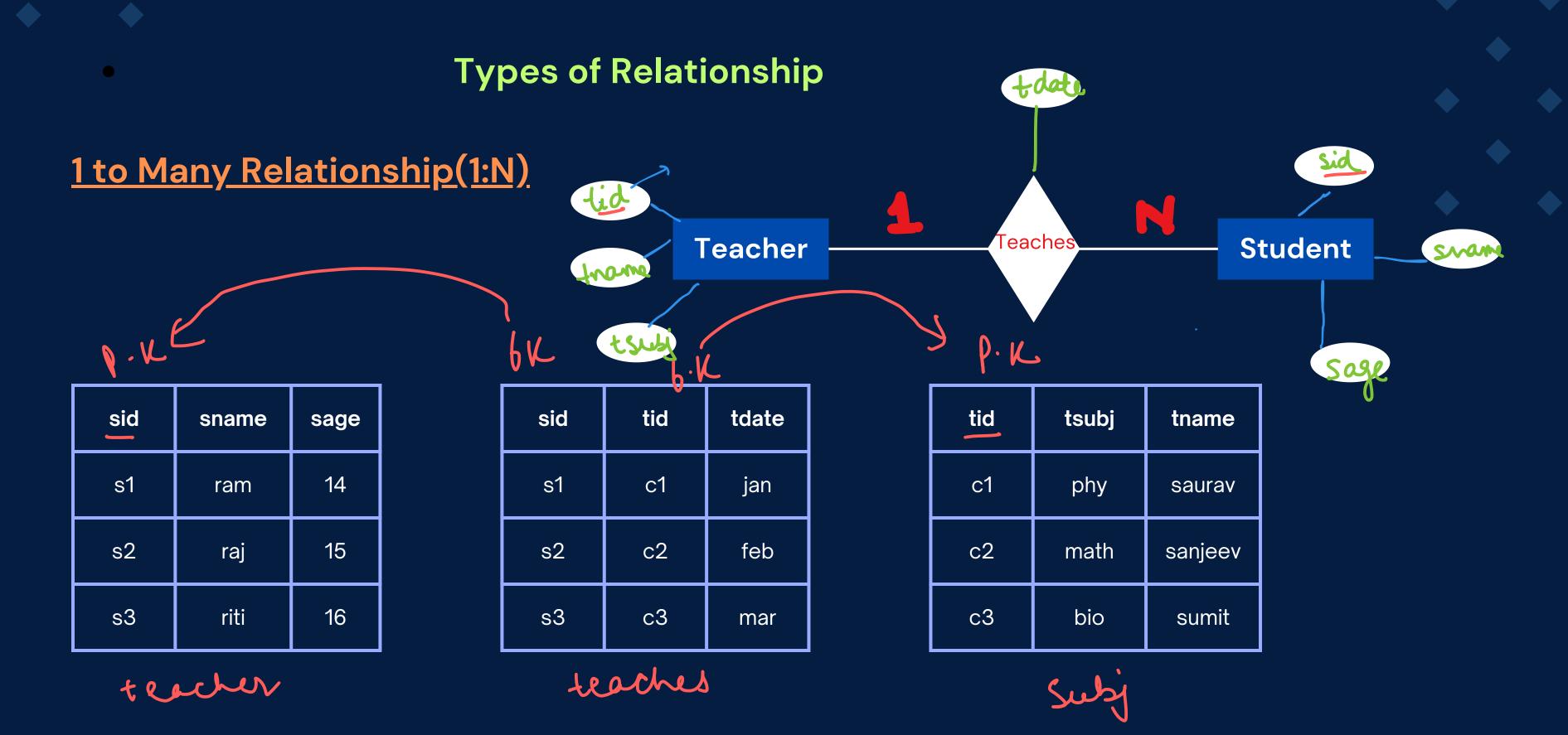
P.K

### Types of Relationship

### 1 to Many Relationship(1:N)

A complex attribute is an attribute that is made up of multiple smaller attributes





sid	sname	sage
s1	ram	14
s2	raj	15
s3	riti	16

sid	tid	tdate
s1	c1	jan
s2	c2	feb
s2	с3	mar

	tid	tname	tsub
	c1	phy	saurav
إلما	c2	math	sanjeev
	сЗ	bio	sumit

P.K

sid	sname	sage
s1	ram	14
s2	raj	15
s3	riti	16

tid	tsub	tname	sid
c1	phy	saurav	s1
с2	math	sanjeev	s2
сЗ	bio	sumit	s

(And

#### **Types of Relationship**

### Many to 1 Relationship(N:1)

A complex attribute is an attribute that is made up of multiple

every Report Manager Manager Roate

**Types of Relationship** 

Many to 1 Relationship (N:1)

1. Primary key -> the one at the many side (Ed)

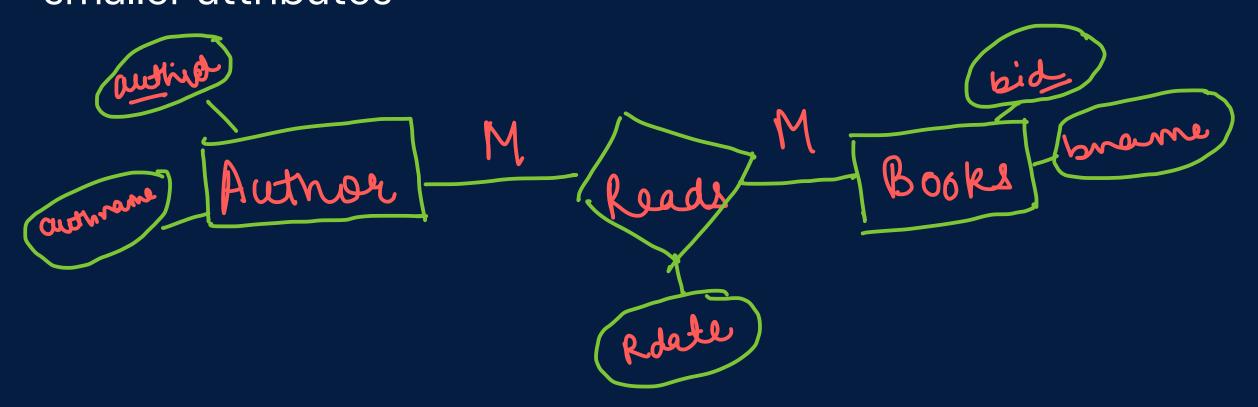
2. Reduction -> Combine the namy + Relationship table.

(Emp+Reports)

### Types of Relationship

#### Many to many Relationship(N:N)

A complex attribute is an attribute that is made up of multiple smaller attributes

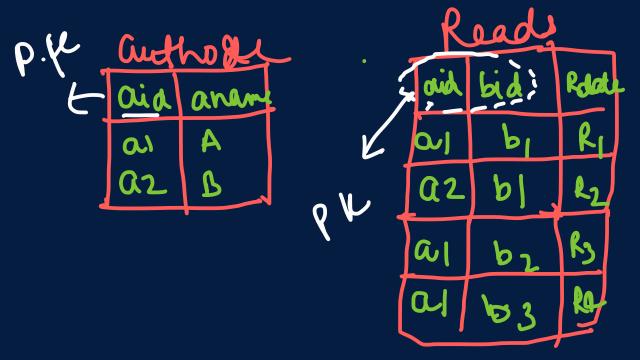


### Types of Relationship

#### Many to many Relationship(N:N)

In this relationship multiple elements from one set are related to multiple

elements in another set.



PK		
bid	bname	
ы	C	
62	D	
	bid b1	