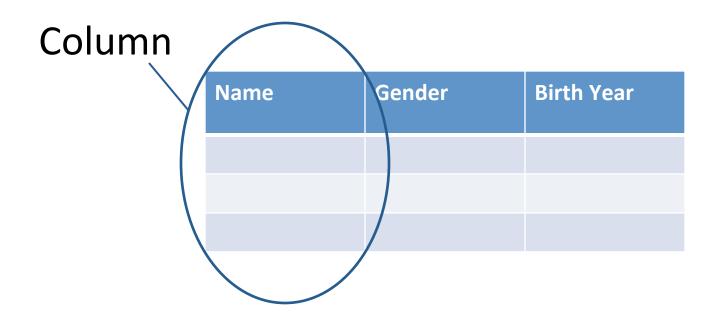
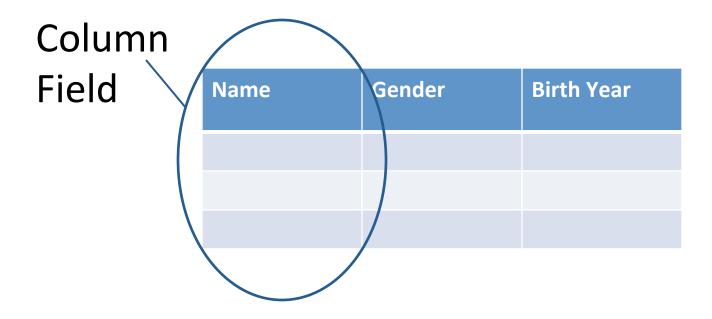
SQL

Chapter 1

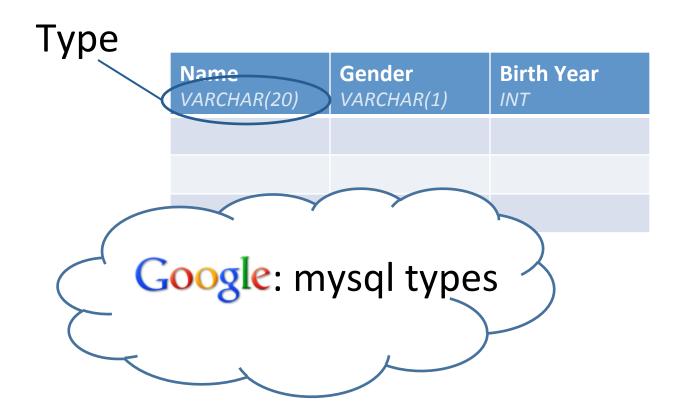
Name	Gender	Birth Year





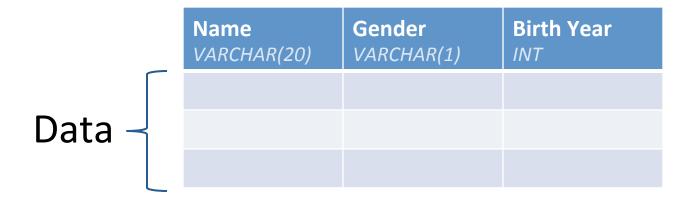
Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT

Type			
<i>'</i>	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year



Schema

/	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year	



	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
(Greg Little		

Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
Greg Little	M	

Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
Greg Little	M	1981

Row	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
	Greg Little	М	1981

Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
Greg Little	M	1981
Lady Gaga	F	1986

Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
Greg Little	M	1981
Lady Gaga	F	1986
Lady Gaga	F	1986

Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
Greg Little	M	1981
Lady Gaga	F	1986
Lady Gaga	F	1986

Duplicates — {
not allowed

Id <i>INT</i>	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

Key	/		
• • •	7		

ld INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986
3	Lady Gaga	F	1986

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

ld INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

ld INT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

People

ld INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

ld INT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

People

ld INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

ld INT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

People

					_\
ld INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT	Group INT	
1	Greg Little	M	1981		
2	Lady Gaga	F	1986		
3	Lady Gaga	F	1986		١,

Id <i>INT</i>	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

People

					_\
Id <i>INT</i>	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year	Group INT	
1	Greg Little	M	1981	2	
2	Lady Gaga	F	1986	1	
3	Lady Gaga	F	1986	2	l,

Id <i>INT</i>	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year	Group INT
1	Greg Little	M	1981	2
2	Lady Gaga	F	1986	-1
3	Lady Gaga	F	1986	2



Foreign Key

People

Id <i>INT</i>	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year	Group <i>INT</i>
1	Greg Little	M	1981	2
2	Lady Gaga	F	1986	1
3	Lady Gaga	F	1986	2

Id <i>INT</i>	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year	Group INT
1	Greg Little	M	1981	2
2	Lady Gaga	F	1986	1, 3
3	Lady Gaga	F	1986	2

Id <i>INT</i>	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year	Group
1	Greg Little	M	1981	2
2	Lady Gaga	F	1986	1, 3
3	Lady Gaga	F	1986	2

Id <i>INT</i>	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

People

ld INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year	Group Array
1	Greg Little	M	1981	2
2	Lady Gaga	F	1986	1, 3
3	Lady Gaga	F	1986	2

Id <i>INT</i>	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

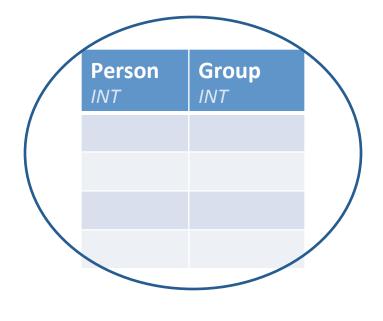
People

ld INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT	Group Ar: a;
1	Greg Little	M	1981	2
2	Lady Gaga	F	1986	1, 3
3	Lady Gaga	F	1986	2

Id <i>INT</i>	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

People

2
1, 3
2



Id INT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

People

Id <i>INT</i>	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT	Group Array
1	Greg Little	M	1981	2
2	Lady Gaga	F	1986	1, 3
3	Lady Gaga	F	1986	2

Person INT	Group INT	
1	2	

ld INT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year \ INT	Group Array
1	Greg Little	M	1981	2
2	Lady Gaga	F	1986	1,)3
3	Lady Gaga	F	1986	2

Person INT	Group INT
1	2
2	1

ld INT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year \ INT	Group Array
1	Greg Little	M	1981	2
2	Lady Gaga	F	1986	1, 3
3	Lady Gaga	F	1986	2

Person INT	Group INT
1	2
2	1
2	3

Id <i>INT</i>	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year	Group Array
1	Greg Little	M	1981	2
2	Lady Gaga	F	1986	1, 3
3	Lady Gaga	F	1986	2

Person INT	Group INT
1	2
2	1
2	3
3	2

G	ro	u	ps

Id INT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

Person INT	Group INT
1	2
2	1
2	3
3	2

ld INT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

People

Id <i>INT</i>	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

Person INT	Group INT
1	2
2	1
2	3
3	2

Join Table

Id INT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

People

ld INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id <i>INT</i>	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73



ld INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

ld INT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

Chapter 2

Queries

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select * from People

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select * from People;

•	+ Name +	Gender	+ Birth Year
-	Greg Little	M	1981
•	Lady Gaga	F	1986
•		F	1986

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select * from People;

Id	Name	Gender	Birth Year
1	Greg Little	М	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

ld INT	Name VARCHAR(20)	Cool Factor
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73



People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

SELECT * FROM People;

Id	Name	Gender	Birth Year
1	Greg Little	М	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	М	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select * from People;

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	М	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select Name from People;

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id INT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select Name from People;

Name	
Greg Little	
Lady Gaga	
Lady Gaga	

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select Name, Id from People;

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select Name, Id from People;

Name	Id
Greg Little	1
Lady Gaga	2
Lady Gaga	3

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select Name, Id from People where Gender = 'F';

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group <i>INT</i>
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select Name, Id from People where Gender = ${}^{\bigcirc}F^{\bigcirc}$;

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select Name, Id from People where Gender = 'F';

Name	Id
Lady Gaga	2
Lady Gaga	3

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select Name, Id from People where `Birth Year` < 1984;

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select Name, Id from People where Birth Year < 1984;

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

Name	ld
Greg Little	1

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group <i>INT</i>
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select Name, Id from People where Birth Year < 1984;

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select Name, Id from People where Birth Year < 1984;

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	М	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

ld INT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select Name, Id from People where Birth Year < 1984;

no error!

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select Name, Id from People where Birth Year < 1984;

Name	Id
Greg Little	1
Lady Gaga	2
Lady Gaga	3

no error!

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id INT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select Name, Id from People where Birth Year < 1984;

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

Pec	ple				
Id INT	Name VARCHAR(20)	Gender <i>VARCHAR(1)</i>	Birth Year INT	Group INT	
1	Greg Little	M	1981	2	
2	Lady Gaga	F	1986	1	
3	Lady Gaga	F	1986	2	

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select * from People, Groups;

People

ld INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year	Group INT
1	Greg Little	M	1981	2
2	Lady Gaga	F	1986	1
3	Lady Gaga	F	1986	2

Id INT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select * from People, Groups;

Join

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year	Group INT
1	Greg Little	М	1981	2
2	Lady Gaga	F	1986	1
3	Lady Gaga	F	1986	2

Id INT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select * from People, Groups;

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT	Group INT
1	Greg Little	M	1981	2
2	Lady Gaga	F	1986	1
3	Lady Gaga	F	1986	2

Id INT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select * from People, Groups;

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT	Group INT
1	Greg Little	M	1981	2
2	Lady Gaga	F	1986	1
3	Lady Gaga	F	1986	2

Id INT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select * from People, Groups;

People

ld INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year	Group INT
1	Greg Little	М	1981	2
2	Lady Gaga	F	1986	1
3	Lady Gaga	F	1986	2

Id INT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select * from People, Groups;

ld	ivame	Gender	Birth Year	Group	Id	Name	Cooi Factor
1	Greg Little	M	1981	2	1	Awesome	0.99
1	Greg Little	M	1981	2	2	Normal	0.5
1	Greg Little	M	1981	2	3	Artist	0.73
2	Lady Gaga	F	1986	1	1	Awesome	0.99
2	Lady Gaga	F	1986	1	2	Normal	0.5
2	Lady Gaga	F	1986	1	3	Artist	0.73
3	Lady Gaga	F	1986	2	1	Awesome	0.99
3	Lady Gaga	F	1986	2	2	Normal	0.5
3	Lady Gaga	F	1986	2	3	Artist	0.73

select * from People, Groups;

Id	Name	Gender	Birth Year	Group	Id	Name	Cool Factor
1	Greg Little	M	1981	2	1	Awesome	0.99
1	Greg Little	M	1981	2	2	Normal	0.5
1	Greg Little	M	1981	2	3	Artist	0.73
2	Lady Gaga	F	1986	1	1	Awesome	0.99
2	Lady Gaga	F	1986	1	2	Normal	0.5
2	Lady Gaga	F	1986	1	3	Artist	0.73
3	Lady Gaga	F	1986	2	1	Awesome	0.99
3	Lady Gaga	F	1986	2	2	Normal	0.5
3	Lady Gaga	F	1986	2	3	Artist	0.73

select * from People, Groups
where Group = Id;

Id	Name	Gender	Birth Year	Group	Id	Name	Cool Factor
1	Greg Little	M	1981	2	1	Awesome	0.99
1	Greg Little	M	1981	2	2	Normal	0.5
1	Greg Little	M	1981	2	3	Artist	0.73
2	Lady Gaga	F	1986	1	1	Awesome	0.99
2	Lady Gaga	F	1986	1	2	Normal	0.5
2	Lady Gaga	F	1986	1	3	Artist	0.73
3	Lady Gaga	F	1986	2	1	Awesome	0.99
3	Lady Gaga	F	1986	2	2	Normal	0.5
3	Lady Gaga	F	1986	2	3	Artist	0.73

select * from People, Groups
where Group = Id;

Id	Name	Gender	Birth Year	Group	Id	Name	Cool Factor
1	Greg Little	М	1981	2	1	Awesome	0.99
1	Greg Little	M	1981	2	2	Normal	0.5
1	Greg Little	М	1981	2	3	Artist	0.73
2	Lady Gaga	F	1986	1	1	Awesome	0.99
2	Lady Gaga	F	1986	1	2	Normal	0.5
2	Lady Gaga	F	1986	1	3	Artist	0.73
3	Lady Gaga	F	1986	2	1	Awesome	0.99
3	Lady Gaga	F	1986	2	2	Normal	0.5
3	Lady Gaga	F	1986	2	3	Artist	0.73

select * from People, Groups
where `Group` = Id;

Id	Name	Gender	Birth Year	Group	Id	Name	Cool Factor
1	Greg Little	M	1981	2	1	Awesome	0.99
1	Greg Little	M	1981	2	2	Normal	0.5
1	Greg Little	M	1981	2	3	Artist	0.73
2	Lady Gaga	F	1986	1	1	Awesome	0.99
2	Lady Gaga	F	1986	1	2	Normal	0.5
2	Lady Gaga	F	1986	1	3	Artist	0.73
3	Lady Gaga	F	1986	2	1	Awesome	0.99
3	Lady Gaga	F	1986	2	2	Normal	0.5
3	Lady Gaga	F	1986	2	3	Artist	0.73

select * from People, Groups
where Group = Id;

Id	Name	Gender	Birth Year	Group	ld	Name	Cool Factor
1	Greg Little	М	1981	2	1	Awesome	0.99
1	Greg Little	M	1981	2	2	Normal	0.5
1	Greg Little	М	1981	2	3	Artist	0.73
2	Lady Gaga	F	1986	1	1	Awesome	0.99
2	Lady Gaga	F	1986	1	2	Normal	0.5
2	Lady Gaga	F	1986	1	3	Artist	0.73
3	Lady Gaga	F	1986	2	1	Awesome	0.99
3	Lady Gaga	F	1986	2	2	Normal	0.5
3	Lady Gaga	F	1986	2	3	Artist	0.73

```
select * from `People`, `Groups`
where `Group` = `Id`;
```

Id	Name	Gender	Birth Year	Group	Id	Name	Cool Factor
1	Greg Little	M	1981	2	1	Awesome	0.99
1	Greg Little	M	1981	2	2	Normal	0.5
1	Greg Little	M	1981	2	3	Artist	0.73
2	Lady Gaga	F	1986	1	1	Awesome	0.99
2	Lady Gaga	F	1986	1	2	Normal	0.5
2	Lady Gaga	F	1986	1	3	Artist	0.73
3	Lady Gaga	F	1986	2	1	Awesome	0.99
3	Lady Gaga	F	1986	2	2	Normal	0.5
3	Lady Gaga	F	1986	2	3	Artist	0.73

select * from `People`, `Groups`
where `Group` = `Id`;

Id	Name	Gender	Birth Year	Group	Id	Name	Cool Factor
1	Greg Little	М	1981	2	1	Awesome	0.99
1	Greg Little	М	1981	2	2	Normal	0.5
1	Greg Little	M	1981	2	3	Artist	0.73
2	Lady Gaga	F	1986	1	1	Awesome	0.99
2	Lady Gaga	F	1986	1	2	Normal	0.5
2	Lady Gaga	F	1986	1	3	Artist	0.73
3	Lady Gaga	F	1986	2	1	Awesome	0.99
3	Lady Gaga	F	1986	2	2	Normal	0.5
3	Lady Gaga	F	1986	2	3	Artist	0.73

```
select * from `People`, `Groups`
where `Group` = Groups`.`Id`;
```

Id	Name	Gender	Birth Year	Group	Id	Name	Cool Factor
1	Greg Little	M	1981	2	1	Awesome	0.99
1	Greg Little	M	1981	2	2	Normal	0.5
1	Greg Little	M	1981	2	3	Artist	0.73
2	Lady Gaga	F	1986	1	1	Awesome	0.99
2	Lady Gaga	F	1986	1	2	Normal	0.5
2	Lady Gaga	F	1986	1	3	Artist	0.73
3	Lady Gaga	F	1986	2	1	Awesome	0.99
3	Lady Gaga	F	1986	2	2	Normal	0.5
3	Lady Gaga	F	1986	2	3	Artist	0.73

```
select * from `People`, `Groups`
where `Group` = `Groups`.`Id`;
```

Id	Name	Gender	Birth Year	Group	Id	Name	Cool Factor
1	Greg Little	М	1981	2	2	Normal	0.5
2	Lady Gaga	F	1986	1	1	Awesome	0.99
3	Lady Gaga	F	1986	2	2	Normal	0.5

```
select * from `People` p, `Groups` g
where `Group` = `Groups`.`Id`;
```

Id	Name	Gender	Birth Year	Group	Id	Name	Cool Factor
1	Greg Little	M	1981	2	2	Normal	0.5
2	Lady Gaga	F	1986	1	1	Awesome	0.99
3	Lady Gaga	F	1986	2	2	Normal	0.5

```
select * from `People` p, `Groups` g
where `Group` = g.`Id`;
```

Id	Name	Gender	Birth Year	Group	Id	Name	Cool Factor
1	Greg Little	M	1981	2	2	Normal	0.5
2	Lady Gaga	F	1986	1	1	Awesome	0.99
3	Lady Gaga	F	1986	2	2	Normal	0.5

select p.Name, g.Name from `People` p, `Groups` g
where `Group` = g. Id`;

Id	Name	Gender	Birth Year	Group	Id	Name	Cool Factor
1	Greg Little	M	1981	2	2	Normal	0.5
2	Lady Gaga	F	1986	1	1	Awesome	0.99
3	Lady Gaga	F	1986	2	2	Normal	0.5

select p.Name, g.Name from `People` p, `Groups` g
where `Group` = g.`Id`;

Name	Name	
Greg Little	Normal	
Lady Gaga	Awesome	
Lady Gaga	Normal	

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	М	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73



People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select *
from People, `People In Groups`, Groups

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select *
from People p, People In Groups pg, Groups g

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id INT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select *
from People p, `People In Groups` pg, Groups g
p.Id = pg.Person

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

ld INT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

```
select *
from People p, `People In Groups` pg, Groups g
p.Id = pg.Person and pg.Group = g.Id
```

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

```
select *
from People p, `People In Groups` pg, Groups g
p.Id = pg.Person and pg.Group = g.Id
and g.Name = 'Awesome';
```

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select *
from People p, `People In Groups` pg, Groups g
p.Id = pg.Person and pg.Group = g.Id
and g.Name = 'Awesome';

Id	Name	Gender	Birth Year	Person	Group	Id	Name	Cool Factor	
2	Lady Gaga	F	1986	2	1	1	Awesome	0.99	

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	М	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select p.Name, g.Name
from People p, People In Groups` pg, Groups g
p.Id = pg.Person and pg.Group = g.Id
and g.Name = 'Awesome';

Id	Name	Gender	Birth Year	Person	Group	Id	Name	Cool Factor
2	Lady Gaga	F	1986	2	1	1	Awesome	0.99

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	М	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select p.Name, g.Name
from People p, `People In Groups` pg, Groups g
p.Id = pg.Person and pg.Group = g.Id
and g.Name = 'Awesome';

Name	Name	
Lady Gaga	Awesome	

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

Chapter 2.5

More Queries

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select * from Groups;

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

ld INT	Name VARCHAR(20)	Cool Factor
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select * from Groups;

Id	Name	Cool Factor	
1	Awesome	0.99	
2	Normal	0.5	
3	Artist	0.73	

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select * from Groups
order by `Cool Factor`;

Id	Name	Cool Factor
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id INT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select * from Groups
order by `Cool Factor`;

Id	Name	Cool Factor
2	Normal	0.5
3	Artist	0.73
1	Awesome	0.99

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

ld INT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select * from Groups
order by `Cool Factor` desc;

Id	Name	Cool Factor
2	Normal	0.5
3	Artist	0.73
1	Awesome	0.99

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select * from Groups
order by `Cool Factor` desc;

Id	Name	Cool Factor
1	Awesome	0.99
3	Artist	0.73
2	Normal	0.5

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

ld INT	Name VARCHAR(20)	Cool Factor
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select * from Groups
order by `Cool Factor` desc
limit 1;

Id	Name	Cool Factor
1	Awesome	0.99
3	Artist	0.73
2	Normal	0.5

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	М	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select * from Groups
order by `Cool Factor` desc
limit 1;

Id	Name	Cool Factor
1	Awesome	0.99

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id INT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

Aggregation

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select min(`Cool Factor`) from Groups

People

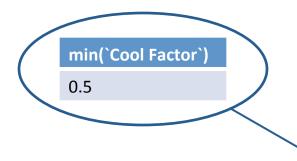
Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select min(`Cool Factor`) from Groups



People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

ld INT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select max() Cool Factor`) from Groups

min(`Cool Factor`)

0.5

People

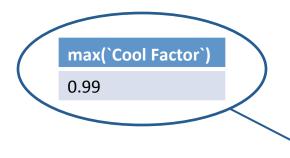
Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select max(`Cool Factor`) from Groups



People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	М	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group <i>INT</i>
1	2
2	1
2	3
3	2

ld INT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select avg() Cool Factor`) from Groups

max('Cool Factor')

0.99

People

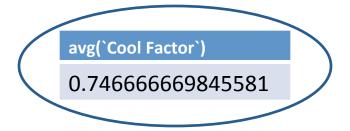
Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select avg(`Cool Factor`) from Groups



People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id INT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

select avg(`Cool Factor`) from Groups

avg(`Cool Factor`)

0.746666669845581

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group <i>INT</i>
1	2
2	1
2	3
3	2

ld INT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

Chapter 3

Changing Stuff

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

```
insert into people
(`Name`, `Gender`, `Birth Year`)
values ('Yafim Landa', 'M', 1988);
```

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id INT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

```
insert into people
(`Name`, `Gender`, `Birth Year`)
values ('Yafim Landa', 'M', 1988);
```

People

Id INT	Name VARCHAR(20)	Gender VARCHAR 1)	Birth Year INT
1	Greg Little	М	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986
4	Yafim Landa	IVI	1988

People In Groups

	Person INT	Group <i>INT</i>
	1	2
	2	1
	2	3
>	3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

```
insert into people
(`Name`, `Gender`, `Birth Year`)
values ('Yafim Landa', 'M', 1989);
```

Show Demo

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	М	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986
4	Yafim Landa	M	1988

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id INT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	М	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986
4	Yafim Landa	М	1988

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

```
update people
set `Birth Year` = 1989
where Name = 'Yafim Landa';
```

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986
4	Yafim Landa	M	1988

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

```
update people
set `Birth Year` = 1989
where Name = 'Yafim Landa';
```

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year INT
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986
4	Yafim Landa	М	1989

People In Groups

Person INT	Group <i>INT</i>
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

```
update people
set `Birth Year` = 1989
where Name = 'Yafim Landa';
```

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	M	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986
4	Yafim Landa	М	1989

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	М	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986
4	Yafim Landa	М	1989

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

delete from people
where Name = 'Lady Gaga';

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	М	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986
4	Yafim Landa	М	1989

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

ld INT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

```
delete from people
where Name = 'Lady Gaga';
```

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	М	1981
2	Lady Gaga	F	1986
3	Lady Gaga	F	1986
4	Yafim Landa	М	1989

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

delete from people
where Name = 'Lady Gaga';

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	М	1981
4	Yafim Landa	М	1989

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

delete from people
where Name = 'Lady Gaga';

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	М	1981
4	Yafim Landa	M	1989

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

Create

People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	М	1981
4	Yafim Landa	М	1989

People In Groups

Person INT	Group <i>INT</i>
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

Create



People

Id INT	Name VARCHAR(20)	Gender VARCHAR(1)	Birth Year
1	Greg Little	М	1981
4	Yafim Landa	М	1989

People In Groups

Person INT	Group INT
1	2
2	1
2	3
3	2

Id /NT	Name VARCHAR(20)	Cool Factor FLOAT
1	Awesome	0.99
2	Normal	0.5
3	Artist	0.73

Done

:)