

Employee

Id	Name	DateOfBirth	Skills	Skill Description	Skill Level
101	Ramu	12-12-2000	C, C++, Java	PLT, OOPS, Web	7, 7, 8
102	Somu	09-04-2001	SQL, C#	RDBMS, Web	8, 8
103	Kimu	03-08-2000	Java, SQL	Web, RDBMS	8,9

1 nf

Employee

Id	Name	DateOfBirth	Area	ZipCode	Phone
101	Ramu	12-12-2000	DDDD	12345	9876543210
102	Somu	09-04-2001	FFFF	12344	9988776655
103	Kimu	03-08-2000	DDDD	12345	7766554433

EmployeeSkill

Id	Skill	Skill Level
101	C	7
101	C++	7
101	Java	8
102	SQL	8
102	C#	8
103	Java	8
103	SQL	9

2 nf

Employee

Id	Name	DateOfBirth	Area	ZipCode	Phone
101	Ramu	12-12-2000	DDDD	12345	9876543210
102	Somu	09-04-2001	FFFF	12344	9988776655
103	Kimu	03-08-2000	DDDD	12345	7766554433

EmployeeSkill

Id
101
101
101
102
102
103
103

Skills		
Skill_id	Skill	Skill Description
1	C	PLT
2	C++	OOPS
3	Java	Web
4	C#	Web
5	SQL	RDBMS

3 nf

Employee

eliminate transitive dependencies.

Id	Name	DateOfBirth	Area	Phone	Email
101	Ramu	12-12-2000	DDDD	9876543210	ramu@gmail.com
102	Somu	09-04-2001	FFFF	9988776655	somu@gmail.com
103	Kimu	03-08-2000	DDDD	7766554433	kimu@gmail.com

Areas

Area	ZipCode
DDDD	12345
FFFF	12344

Area	ZipCode	Phone	Email
DDDD	12345	9876543210	ramu@gmail.com
FFFFF	12344	9988776655	somu@gmail.com
DDDD	12345	7766554433	kimu@gmail.com

Email
ramu@gmail.com
somu@gmail.com
kimu@gmail.com

Email
ramu@gmail.com
somu@gmail.com
kimu@gmail.com

Skill_id	Skill Level
1	7
2	7
3	8
5	8
4	8
2	8
5	9