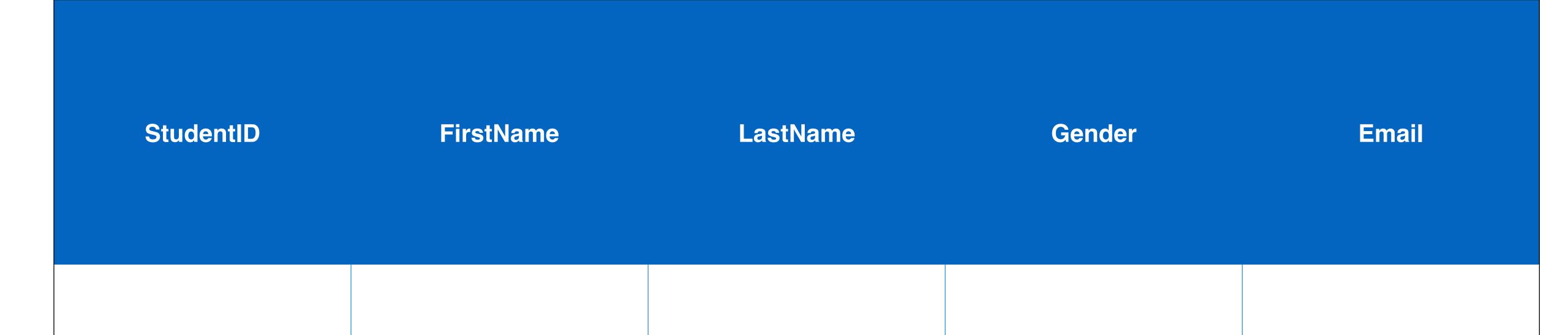
THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...



EXAMPLE #1: INTRODUCING THE SQL INSERT COMMAND

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

StudentID	FirstName	LastName	Gender	Email

INSERT INTO TABLE Students

(FirstName, LastName, Gender, Email)

VALUES

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

StudentID	FirstName	LastName	Gender	Email

INSERT INTO TABLE Students

(FirstName, LastName, Gender, Email)

```
VALUES
```

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

StudentID	FirstName	LastName	Gender	Email
	Janani			

INSERT INTO TABLE Students

(FirstName, LastName, Gender, Email)

VALUES

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

StudentID	FirstName	LastName	Gender	Email
	Janani	Ravi		

INSERT INTO TABLE Students

(FirstName, LastName, Gender, Email)

VALUES

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

StudentID	FirstName	LastName	Gender	Email
	Janani	Ravi	F	

INSERT INTO TABLE Students

(FirstName, LastName, Gender, Email)

VALUES

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

StudentID	FirstName	LastName	Gender	Email
	Janani	Ravi	F	janani@loonycorn.com

INSERT INTO TABLE Students

(FirstName, LastName, Gender, Email)

VALUES

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

StudentID	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	janani@loonycorn.com

INSERT INTO TABLE Students

(FirstName, LastName, Gender, Email)

VALUES

StudentID	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	janani@loonycorn.com

StudentID	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	janani@loonycorn.com

REMEMBER THE AUTO_INCREMENT SPECIFIED WHEN WE CREATED THIS TABLE?

HOW DO WE CREATE TABLES?

THAT GETS US TO THE SQL CREATE TABLE STATEMENT FOR A TABLE LIKE THIS..

StudentID	FirstName	LastName	Gender	Email

```
CREATE TABLE Students
                        AUTO_INCREMENT
StudentID INT NOT NULL
FirstName VARCHAR (30) NOT NULL,
LastName VARCHAR (30) NOT NULL,
Gender CHAR(1),
Email VARCHAR (30)
PRIMARY KEY (StudentID)
```

StudentID	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	janani@loonycorn.com

WHEN VALUES ARE NOT SPECIFIED AS A PART OF THE INSERT STATEMENT THE AUTO_INCREMENT POPULATES THIS COLUMN AUTOMATICALLY

EXAMPLE #2: COLUMNS CAN BE SPECIFIED OUT-OF-ORDER

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

StudentID	FirstName	LastNam	Gender	Email
1	Janani	Ravi	F	janani@loonycorn.com

```
INSERT INTO TABLE Students
(Gender, Email, FirstName, LastName)
VALUES
('F', 'swetha@loonycorn.com', 'Swetha', 'Kolalapudi')
```

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

StudentID	FirstName	LastName	Gender	Email
1	Janani	Pavi	F	janani@loonycorn.com

INSERT INTO TABLE Students

(Gender, Email, FirstName, LastName)

VALUES

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

StudentID	FirstName	LastName	Gender	Email
1	Janani	Ravi	The state of the s	janani@loonycorn.com
		A STATE OF THE PARTY OF THE PAR	F	

INSERT INTO TABLE Students

(Gender, Email, FirstName, LastName)

VALUES

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

StudentID	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	janani@loonycorn.com
			F	swetha@loonycorn.com

INSERT INTO TABLE Students

(Gender, Email, FirstName, LastName)

VALUES

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

StudentID	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	janani@loonycorn.com
	Swetha		F	swetha@loonycorn.com

INSERT INTO TABLE Students

(Gender, Email, FirstName, LastName)

VALUES

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

StudentID	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	janani@loonycorn.com
	Swetha	Kolalapudi	F	swetha@loonycorn.com

INSERT INTO TABLE Students

(Gender, Email, FirstName, LastName)

VALUES

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

StudentID	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	<u>janani@loonycorn.com</u>
2	Swetha	Kolalapudi	F	swetha@loonycorn.com

INSERT INTO TABLE Students

(Gender, Email, FirstName, LastName)

VALUES

StudentID	FirstName	LastName	Gender	Email
	Janani	Ravi		janani@loonycorn.com
2	Swetha	Kolalapudi	F	swetha@loonycorn.com

EXAMPLE #3: COLUMN NAMES CAN EVEN BE SKIPPED ENTIRELY (BUT THEN YOU MUST INSERT IN ORDER!)

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

S	Stude	FirstNa	LastName	Gend	Email
	1	Janani	Ravi	F	janani@loonycorn.com
	2	Swetha	Kolalapudi	F	swetha@loonycorn.com

INSERT INTO TABLE Students VALUES

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

StudentI D	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	janani@loonycorn.com
2	Swetha	Kolalapudi	F	swetha@loonycorn.com

INSERT INTO TABLE Students VALUES

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

Studentl D	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	janani@loonycorn.com
2	Swetha	Kolalapudi	F	swetha@loonycorn.com
	Navdeep			

INSERT INTO TABLE Students VALUES

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

StudentI D	FirstName	LastName	Gender	Email
1	Janani	Ravi		janani@loonycorn.com
2	Swetha	Kolalapudi	F	swetha@loonycorn.com
	Navdeep	Singh		

INSERT INTO TABLE Students VALUES

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

Studentl D	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	janani@loonycorn.com
2	Swetha	Kolalapudi	F	swetha@loonycorn.com
	Navdeep	Singh	M	

INSERT INTO TABLE Students VALUES

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

Studentl D	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	janani@loonycorn.com
2	Swetha	Kolalapudi	F	swetha@loonycorn.com
	Navdeep	Singh	М	navdeep@loonycorn.com

INSERT INTO TABLE Students VALUES

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

Studentl D	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	janani@loonycorn.com
2	Swetha	Kolalapudi	F	swetha@loonycorn.com
3	Navdeep	Singh	M	navdeep@loonycorn.com

INSERT INTO TABLE Students VALUES

StudentID	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	janani@loonycorn.com
2	Swetha	Kolalapudi	F	swetha@loonycorn.com
3	Navdeep	Singh	M	navdeep@loonycorn.com

EXAMPLE #4: IF YOU SKIP THE COLUMNS, INSERT IN ORDER!

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

Stude	FirstNam	LastName	Gende	Email
1	Janani	Ravi	F	janani@loonycorn.com
2	Swetha	Kolalapudi	F	swetha@loonycorn.com
3	Navdeep	Singh	M	navdeep@loonycorn.com

INSERT INTO TABLE Students VALUES

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

SturentID	FirstName	LastName	Gender	Email
	Janani	Ravi	F	janani@loonycorn.com
2	Swetha	Kolalapudi	F	swetha@loonycorn.com
	Navdeep	Singh	M	navdeep@loonycorn.com

INSERT INTO TABLE Students

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

StudentID	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	janani@loonycorn.com
2	Swetha	Kolalapudi	F	swetha@loonycorn.com
3	Navdeep	Singh	М	navdeep@loonycorn.com
4				

INSERT INTO TABLE Students VALUES

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

StudentID	FirstName	7	LastName	Gender	Email
1	Janani		Ravi	F	janani@loonycorn.com
2	Swetha		Kolalapudi	F	swetha@loonycorn.com
3	Navdeep		Singh	M	navdeep@loonycorn.com
4	Vitthal				

INSERT INTO TABLE Students VALUES

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

StudentID	FirstName	LastName	Gende	r Email
1	Janani	Ravi	F	janani@loonycorn.com
2	Swetha	Kolalapudi	F	swetha@loonycorn.com
3	Navdeep	Singh	M	navdeep@loonycorn.com
4	Vitthal	Srinivasan		

INSERT INTO TABLE Students VALUES

(4,'Vitthal','Srinivasan','M','vitthal@loonycorn.com')

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

StudentID	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	janani@loonycorn.com
2	Swetha	Kolalapudi	F	swetha@loonycorn.com
3	Navdeep	Singh	M	navdeep@loonycorn.com
4	Vitthal	Srinivasan	M	

INSERT INTO TABLE Students VALUES

(4,'Vitthal','Srinivasan','M','vittha'l@loonycorn.com')

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

StudentID	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	janani@loonycorn.com
2	Swetha	Kolalapudi	F	swetha@loonycorn.com
3	Navdeep	Singh	M	navdeep@loonycorn.com
4	Vitthal	Srinivasan	М	vitthal@loonycorn.com

INSERT INTO TABLE Students VALUES

(4,'Vitthal','Srinivasan','M','vitthal@loonycorn.com')

StudentID	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	janani@loonycorn.com
2	Swetha	Kolalapudi	F	swetha@loonycorn.com
3	Navdeep	Singh	M	navdeep@loonycorn.com
4	Vitthal	Srinivasan	M	vitthal@loonycorn.com

EXAMPLE #5: IF A COLUMN ACCEPTS NULLS, ITS VALUE CAN BE SKIPPED

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS..

S	tuden	FirstName	LastName	Gende	Email
	1	Janani	Ravi	F	janani@loonycorn.com
	2	Swetha	Kolalapudi	F	swetha@loonycorn.com
	3	Navdeep	Singh	М	navdeep@loonycorn.com
	4	Vitthal	Srinivasan	М	vitthal@loonycorn.com

```
INSERT INTO TABLE Students
```

(Email, FirstName, LastName)

VALUES

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

StudentID	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	janani@loonycorn.com
2	Swetha	Kolalapudi	F	swetha@loonycorn.com
3	Navdeep	Singh	M	navdeep@loonycorn.com
4	Vitthal	Srinivasan	M	vitthal@loonycorn.com

INSERT INTO TABLE Students

(Email, FirstName, LastName)

VALUES

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

StudentID	FirstName	LastName	Gender	Email
1	Janani	Ravi		<u>janani@loonycorn.com</u>
2	Swetha	Kolalapudi	F	swetha@loonycorn.com
3	Navdeep	Singh	M	<u>navdeep@loonycorn.com</u>
4	Vitthal	Srinivasan	M	vitthal@loonycorn.com
		A STATE OF THE PARTY OF THE PAR		

INSERT INTO TABLE Students

(Email, FirstName, LastName)

VALUES

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

StudentID	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	janani@loonycorn.com
2	Swetha	Kolalapudi	F	swetha@loonycorn.com
3	Navdeep	Singh	M	navdeep@loonycorn.com
4	Vitthal 👃	Srinivasan	M	vitthal@loonycorn.com
				mateenwa@gmail.com

INSERT INTO TABLE Students

(Email, FirstName, LastName)

VALUES

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

StudentID	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	<u>janani@loonycorn.com</u>
2	Swetha	Kolalapudi	F	swetha@loonycorn.com
3	Navdeep	Singh	M	navdeep@loonycorn.com
4	Vitthal	Srinivasan	M	<u>vitthal@loonycorn.com</u>
	Ahmad			mateenwa@gmail.com

INSERT INTO TABLE Students

(Email, FirstName, LastName)

VALUES

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

StudentID	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	janani@loonycorn.com
2	Swetha	Kolalapudi	F	swetha@loonycorn.com
3	Navdeep	Singh	M	navdeep@loonycorn.com
4	Vitthal	Srinivasan	M	<u>vitthal@loonycorn.com</u>
	Ahmad	Mateen		mateenwa@gmail.com

INSERT INTO TABLE Students

(Email, FirstName, LastName)

VALUES

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

StudentID	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	janani@loonycorn.com
2	Swetha	Kolalapudi	F	swetha@loonycorn.com
3	Navdeep	Singh	M	navdeep@loonycorn.com
4	Vitthal	Srinivasan	M	vitthal@loonycorn.com
	Ahmad	Mateen	?	mateenwa@gmail.com

ASSIGNED?

INSERT INTO TABLE Students CONTINUER BE

(Email, FirstName, LastName)

VALUES

WHAT VALUE WILL GENDER BE ASSIGNED? OUR TABLE SPECIFICATION IS SAYING THAT NULL VALUES ARE NOT OK IN ANY COLUMN EXCEPT GENDER

```
CREATE TABLE Students, NULL IS OK IN GENDER
StudentID INT NOT NULL AUTO INCREMENT,
FirstName VARCHAR(30) NOT NULL,
LastName VARCHAR (30) NOT NULL,
Gender CHAR (1)
Email VARCHAR (30) NOT NULL,
PRIMARY KEY (StudentID)
```

WHAT VALUE WILL GENDER BE ASSIGNED?

NULL IS OK IN GENPER

SO - IF NO VALUE IS ASSIGNED TO THIS COLUMN, IT WILL SIMPLY BE ASSIGNED THE VALUE OF NULL

WHAT VALUE WILL GENDER BE ASSIGNED?

NULL IS OK IN GENPER

SO - IF NO VALUE IS ASSIGNED TO THIS COLUMN, IT WILL SIMPLY BE ASSIGNED THE VALUE OF NULL

THIS IS EXACTLY WHY NULL MEANS 'POES NOT EXIST'

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

StudentID	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	janani@loonycorn.com
2	Swetha	Kolalapudi	F	swetha@loonycorn.com
3	Navdeep	Singh	M	navdeep@loonycorn.com
4	Vitthal	Srinivasan	M	vitthal@loonycorn.com
	Ahmad	Mateen	?	mateenwa@gmail.com

WHAT VALUE WILL GENDER BE

ASSIGNED?

INSERT INTO TABLE S'

(Email, FirstName, LastName)

VALUES

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

StudentID	FirstName	LastName	Gender	Email	
1	Janani	Ravi	F	<u>janani@loonycorn.com</u>	
2	Swetha	Kolalapudi	F	swetha@loonycorn.com	
3	Navdeep	Singh	M	navdeep@loonycorn.com	
4	Vitthal	Srinivasan	M	vitthal@loonycorn.com	
	Ahmad	Mateen	NULL	mateenwa@gmail.com	

INSERT INTO TABLE SEINER WILL BE SET TO NULL

(Email, FirstName, LastName)

VALUES

THAT GETS US TO THE SQL INSERT STATEMENT FOR A TABLE LIKE THIS...

St	udentID	FirstName	LastName	Gender	Email	
	1	Janani	i Ravi F <u>janani@loonycorn</u>		<u>janani@loonycorn.com</u>	
2		Swetha	Kolalapudi	F	swetha@loonycorn.com	
3		Navdeep	Singh	M	navdeep@loonycorn.com	
4		Vitthal	Srinivasan	M	<u>vitthal@loonycorn.com</u>	
	5	Ahmad	Mateen	NULL	mateenwa@gmail.com	

INSERT INTO TABLE Students KEMENTED AS USUAL (Email, FirstName, LastName) KEMENTED AS USUAL

VALUES

StudentID	FirstName	LastName	Gender	Email
1	Janani	Ravi	F	janani@loonycorn.com
2	Swetha	Kolalapudi	F	swetha@loonycorn.com
3	Navdeep	Singh	M	navdeep@loonycorn.com
4	Vitthal	Srinivasan	M	vitthal@loonycorn.com
5	Ahmad	Mateen	NULL	mateenwa@gmail.com