Part 3 – Creating and working with tables

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In this session we will learn

- Creating tables
- Enforcing primary key and foreign key constraints

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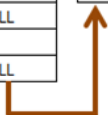
Creating Tables

The aim of this session is to create tblPerson and tblGender tables and establish primary key and foreign key constraints.

tblPerson					tblGender	
ID	Name	Email	GenderID		ID	Gender
1	Jade	j@j.com	2		1	Male
2	Mary	m@m.com	3		2	Female
3	Martin	ma@ma.com	1		3	Unknown
4	Rob	r@r.com	NULL			
5	May	may@may.com	2			
6	Kristy	k@k.com	NULL			

In SQL Server, tables can be created graphically using SQL Server Management Studio (SSMS) or using a query. Foreign key references can be added graphically using SSMS or using a query.

Alter table ForeignKeyTable add constraint ForeignKeyTable_ForiegnKeyColumn_FK
FOREIGN KEY (ForiegnKeyColumn) references PrimaryKeyTable (PrimaryKeyColumn)

Foreign keys are used to enforce database integrity. In layman's terms, A foreign key in one table points to a primary key in another table. The foreign key constraint prevents invalid data form being inserted into the foreign key column. The values that you enter into the foreign key column, has to be one of the values contained in the table it points to.

Additional Resources

- ## PRAGIM Home Page:

  - http://www.PragimTech.com

- ## Resources:

  - ASP.NET Interview Questions
  - http://www.VenkatASPInterview.Blogspot.com
  - C# Interview Questions
  - http://www.VenkatCSharpInterview.Blogspot.com

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