1.2 Create Database and Tables



This section will guide you to:

* Create a database called School.
* Create tables for Student, Class, and Subjects in the database.

This guide has three subsections, namely:

1.2.1 Creating a database

1.2.2 Creating tables in the database

1.2.3 Pushing the code to GitHub repository

**Step 1.2.1:** Creating a database

* Open the SQL Server Management Studio
* In the **Object Explorer,** expand **Databases,** right click on it and choose **New Database**
* In **Database Name,** enter **School** and click **Ok**

**Step 1.2.2:** Creating tables in the database

* In the **Object Explorer,** expand **School->Tables.** Right click **Tables** and choose **New->Table**
* For the first row enter ID as **Column Name,** int as **Data Type,** uncheck **Allow Nulls**
* For the next row enter Name as **Column Name,** varchar(100) as **Data Type,** uncheck **Allow Nulls**
* For the next row enter Address as **Column Name,** varchar(100) as **Data Type,** uncheck **Allow Nulls**
* For the next row enter Email as **Column Name,** varchar(75) as **Data Type,** uncheck **Allow Nulls**
* For the next row enter Class as **Column Name,** varchar(5) as **Data Type,** uncheck **Allow Nulls**
* Click on the x icon to close the table grid tab. Click **Yes** on the save dialog.
* For **Enter a name** put Student and press **Ok**
* In the **Object Explorer,** expand **School->Tables.** Right click **Tables** and choose **New->Table**
* For the first row enter ID as **Column Name,** int as **Data Type,** uncheck **Allow Nulls**
* For the next row enter Name as **Column Name,** varchar(5) as **Data Type,** uncheck **Allow Nulls**
* Click on the x icon to close the table grid tab. Click **Yes** on the save dialog
* For **Enter a name** put Class and press **Ok**
* In the **Object Explorer,** expand **School->Tables.** Right click **Tables** and choose **New->Table**
* For the first row enter ID as **Column Name,** int as **Data Type,** uncheck **Allow Nulls**
* For the next row enter Name as **Column Name,** varchar(50) as **Data Type,** uncheck **Allow Nulls**
* Click on the x icon to close the table grid tab. Click **Yes** on the save dialog.
* For **Enter a name** put Subject and press **Ok**
* In the **Object Explorer,** expand **School->Tables.** Right click **Tables** and choose **Refresh**
* You can see the three tables created

**Step 1.2.3:** Push the code to your GitHub repository

* Open your command prompt and navigate to the folder where you have created your files.

**cd <folder path>**

* Initialize your repository using the following command:

**git init**

* Add all the files to your Git repository using the following command:

**git add .**

* Commit the changes using the following command:

**git commit . -m “Changes have been committed.”**

* Push the files to the folder you initially created using the following command:

**git push -u origin master**