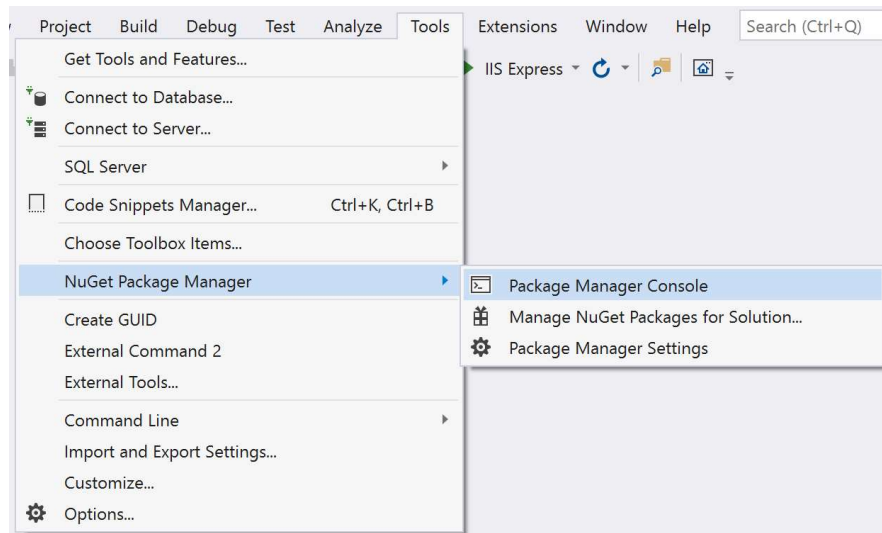
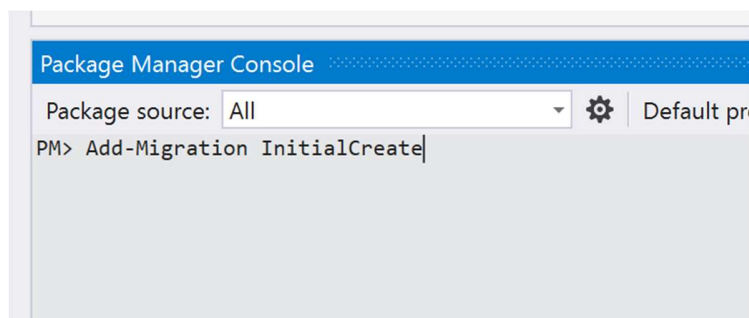


Creating/Updating Database Tables using EF Tools

1. From the existing solution, select **Tools > NuGet Package Manager > Package Manager Console**.



2. Type **Add-Migration InitialCreate** then press **Enter**.



3. The system will automatically generate a class file from the **Migrations** folder.

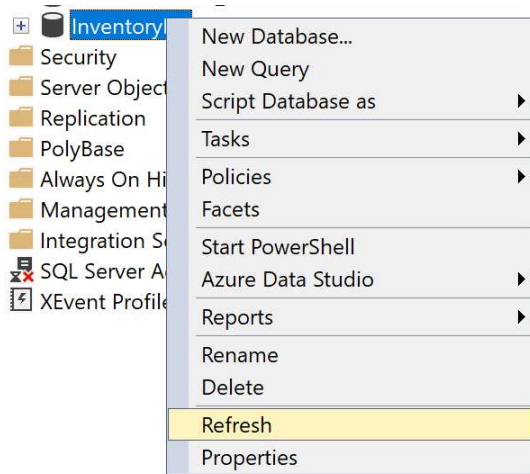
```
20200819085716_InitialCreate.cs - X
MyInventory MyInventory.Migrations.InitialCreate

1 using System;
2 using Microsoft.EntityFrameworkCore.Migrations;
3
4 namespace MyInventory.Migrations
5 {
6     public partial class InitialCreate : Migration
7     {
8         protected override void Up(MigrationBuilder migrationBuilder)
9         {
10             migrationBuilder.CreateTable(
11                 name: "Items",
12                 columns: table => new
13                 {
14                     ItemId = table.Column<int>(nullable: false)
15                         .Annotation("SqlServer:Identity", "1, 1"),
16                     Name = table.Column<int>(nullable: false),
17                     Code = table.Column<string>(nullable: true),
18                     Description = table.Column<string>(nullable: true),
19                     Price = table.Column<decimal>(nullable: false),
20                     DateAdded = table.Column<DateTime>(nullable: false),
21                     DateModified = table.Column<DateTime>(nullable: true),
22                     Type = table.Column<int>(nullable: false)
23                 },
24                 constraints: table =>
25                 {
26                     table.PrimaryKey("PK_Items", x => x.ItemId);
27                 });
28         }
29
30         protected override void Down(MigrationBuilder migrationBuilder)
31         {
32             migrationBuilder.DropTable(
33                 name: "Items");
34         }
35     }
36 }
37
```

4. From the **Package Manager Console**, type **Update-Database** then press **Enter**.

```
Package Manager Console
Package source: All Default project:
Build started...
Build succeeded.
Microsoft.EntityFrameworkCore.Model.Validation[30000]
    No type was specified for the decimal column 'Price' on
can accommodate all the values using 'HasColumnType()'.
To undo this action, use Remove-Migration.
PM> Update-Database
```

5. From **Microsoft SQL Server Management Studio**, select **Databases > InventoryDB**.
6. Right-click **InventoryDB**, then select **Refresh**.



7. Open **InventoryDB > Tables**. The newly created **Items** table must be present.

