



# Racing Game

## USER GUIDE

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## REQUIREMENTS

In order for this game to be run, the following requirements needs to be met.

- Visual Studio 2019. It can be downloaded from this link:  
<https://visualstudio.microsoft.com/vs/community/>
- .Net Core 3.1. It can be downloaded from this link:  
<https://dotnet.microsoft.com/download/dotnet-core/3.1>
- SQL Server 2017. It can be downloaded from this link:  
<https://www.microsoft.com/en-za/download/details.aspx?id=55994>

## EXCLUSIONS AND ASSUMPTIONS

This guide assumes that you are using a windows machine and the guides below are on a windows machine. The screenshots shown on this screen should look similar irrespective of the operating system used however, there might be slight differences.

Where there is room for confusion, please utilize a search engine of your choice to try and get the issues sorted.

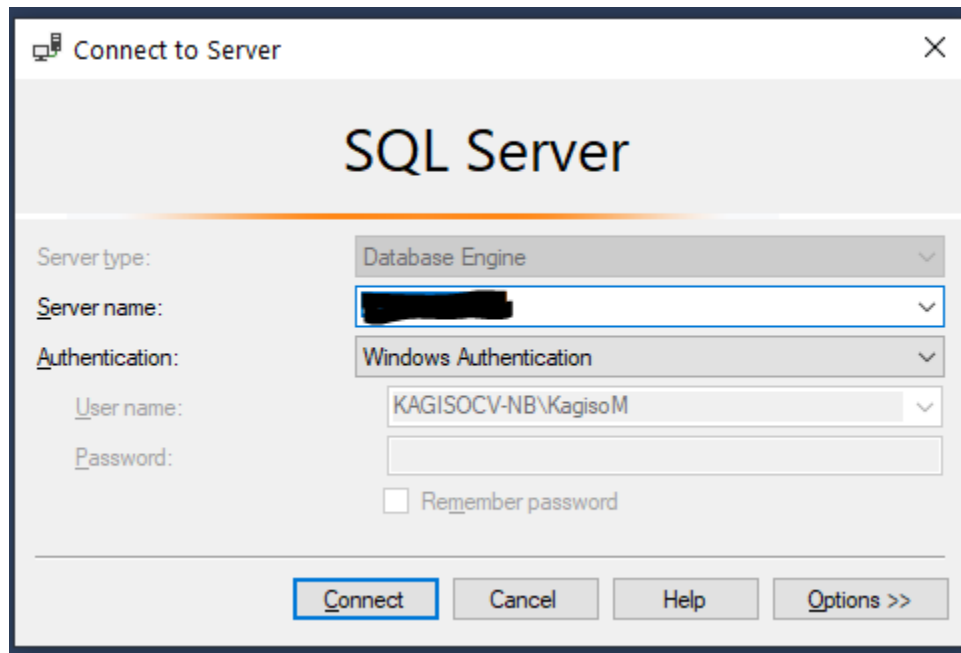
The guide also assumes that you are well equipped in the knowledge to install the above-mentioned software. This guide will not include the steps in installing the applications if they are not available on the machine required.

## SETUP GUIDE STEPS

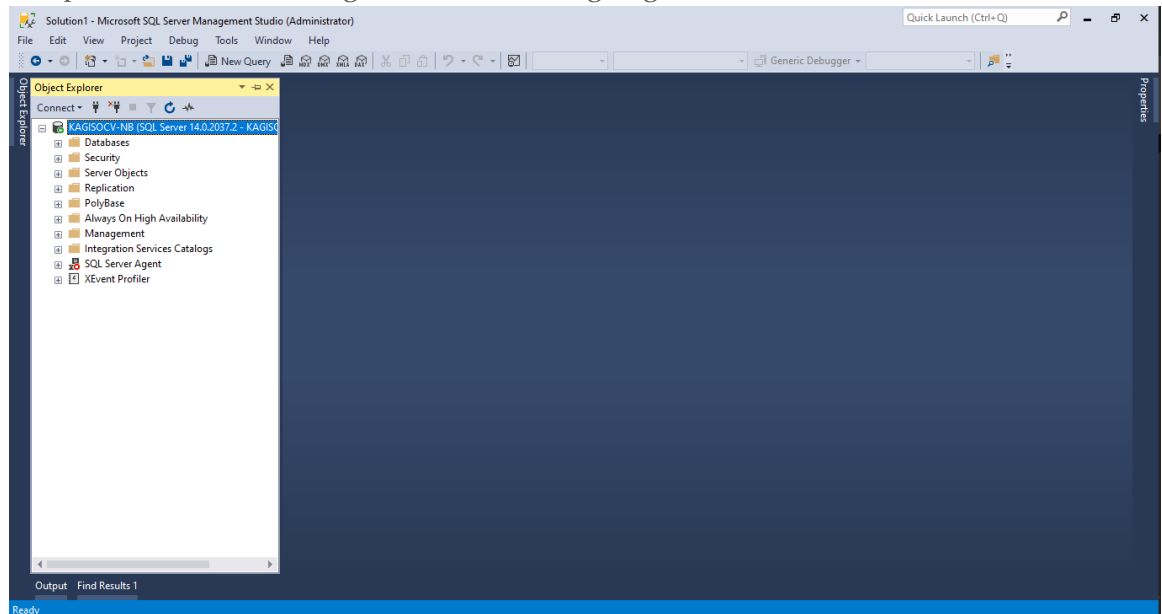
This guide will start the steps from the point of after the zip file has been downloaded to the machine. We shall start with restoring the database to the target machine.

### - SQL SERVER MANAGEMENT STUDIO

Please open SQL Server Management Studio. Once opened, you will be presented with a connection dialog screen.



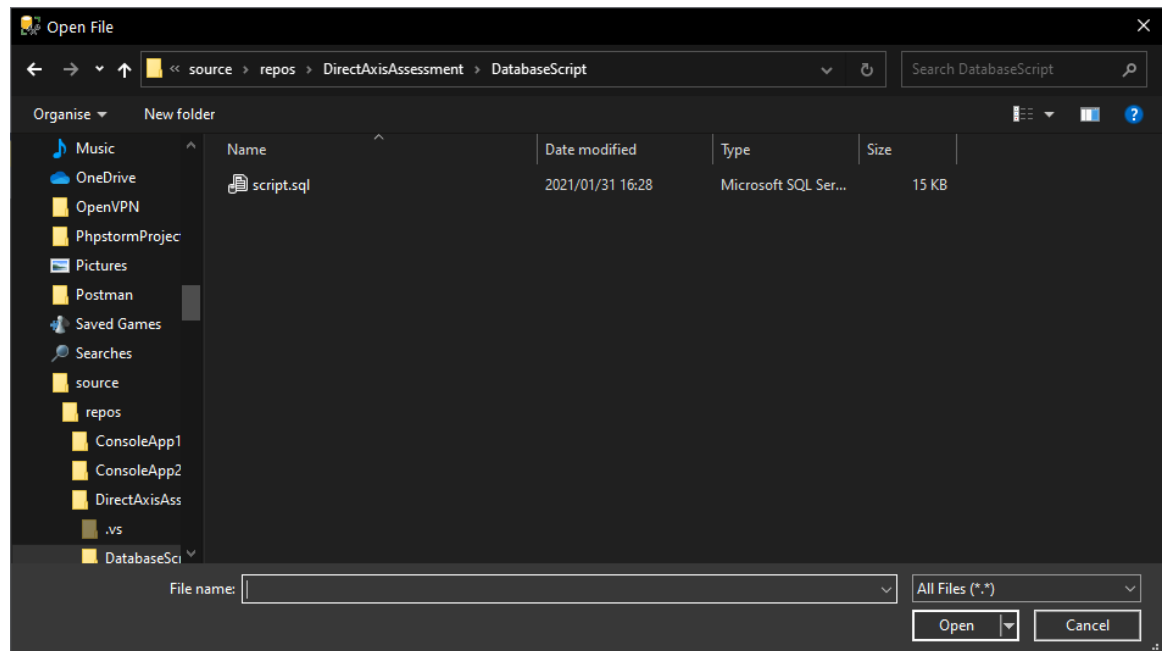
- Make sure to copy the value that will be on the Server Name textbox, and paste it in a place where we could get it later. We are going to need it later. Click Connect.



- Then we will have to then restore the database using the attached script. The name of the script is called script.sql and can be found in the **DatabaseScript** folder.

Name	Date modified	Type	Size
.vs	2021/01/31 12:26	File folder	
DatabaseScript	2021/01/31 16:30	File folder	
DirectAxisAssessment	2021/01/31 16:26	File folder	
DirectAxisAssessment.sln	2021/01/31 12:26	Visual Studio Solu...	2 KB

- After locating the script, you can restore the database using the following steps:
  - o Right-Click on the server instance name, and click **new query**.
  - o A new query window will open. Then click **File -> Open** which will bring an open file dialog.



- o Choose the file so it opens on the query window.



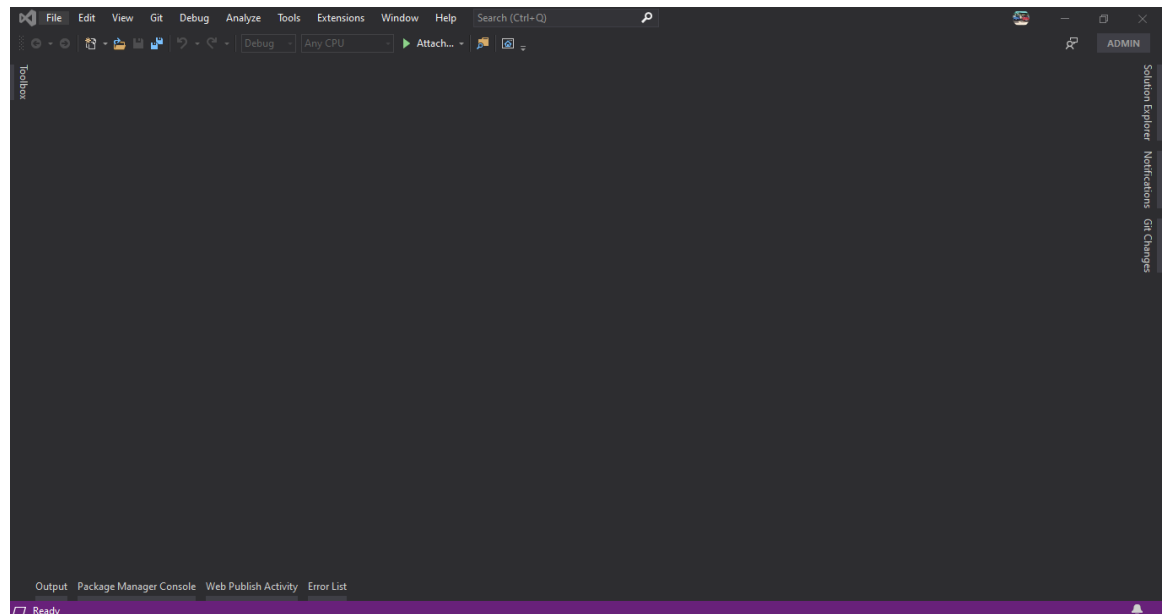
```
script.sql - 165.73.82.21.master (sa (148)) - SQLQuery9.sql - K...V-NB\KagisoM (56))*
1 USE [master]
2 GO
3 /***** Object: Database [DirectAxisGame] Script Date: 2021/01/31 16:28:38 *****/
4 CREATE DATABASE [DirectAxisGame]
5 GO
6 ALTER DATABASE [DirectAxisGame] SET ANSI_NULL_DEFAULT OFF
7 GO
8 ALTER DATABASE [DirectAxisGame] SET ANSI_NULLS OFF
9 GO
10 ALTER DATABASE [DirectAxisGame] SET ANSI_PADDING OFF
11 GO
12 ALTER DATABASE [DirectAxisGame] SET ANSI_WARNINGS OFF
13 GO
14 ALTER DATABASE [DirectAxisGame] SET ARITHABORT OFF
15 GO
16 ALTER DATABASE [DirectAxisGame] SET AUTO_CLOSE OFF
17 GO
18 ALTER DATABASE [DirectAxisGame] SET AUTO_SHRINK OFF
19 GO
20 ALTER DATABASE [DirectAxisGame] SET AUTO_UPDATE_STATISTICS ON
21 GO
22 ALTER DATABASE [DirectAxisGame] SET CURSOR_CLOSE_ON_COMMIT OFF
23 GO
24 ALTER DATABASE [DirectAxisGame] SET CURSOR_DEFAULT GLOBAL
25 GO
26 ALTER DATABASE [DirectAxisGame] SET CONCAT_NULL_YIELDS_NULL OFF
27 GO
28 ALTER DATABASE [DirectAxisGame] SET NUMERIC_ROUNDABORT OFF
29 GO
30 ALTER DATABASE [DirectAxisGame] SET QUOTED_IDENTIFIER OFF
31 GO
32 ALTER DATABASE [DirectAxisGame] SET RECURSIVE_TRIGGERS OFF
33 GO
```

100 % Connected. (1/1) 165.73.82.21 (14.0 RTM) sa (148) master 00:00:00 0 rows

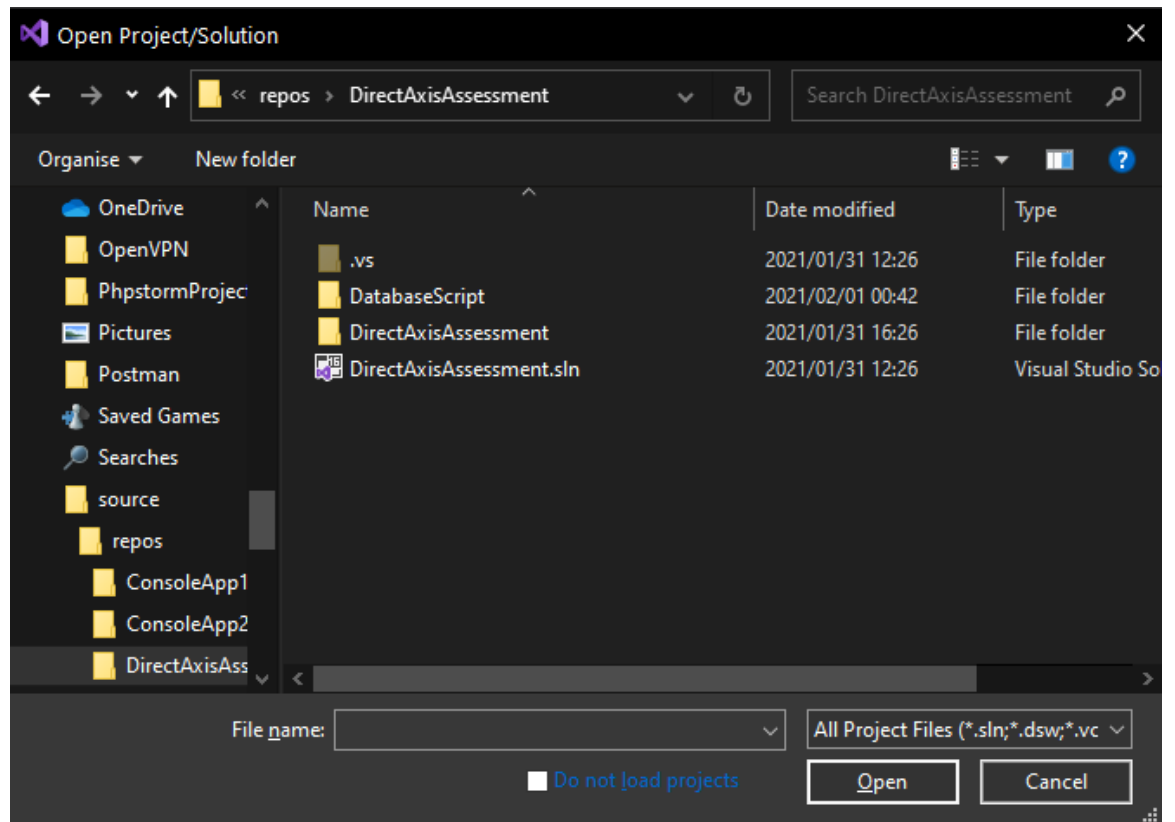
- Execute the query. It should be executed successfully. Once this is done, we can open the solution.

## - VISUAL STUDIO

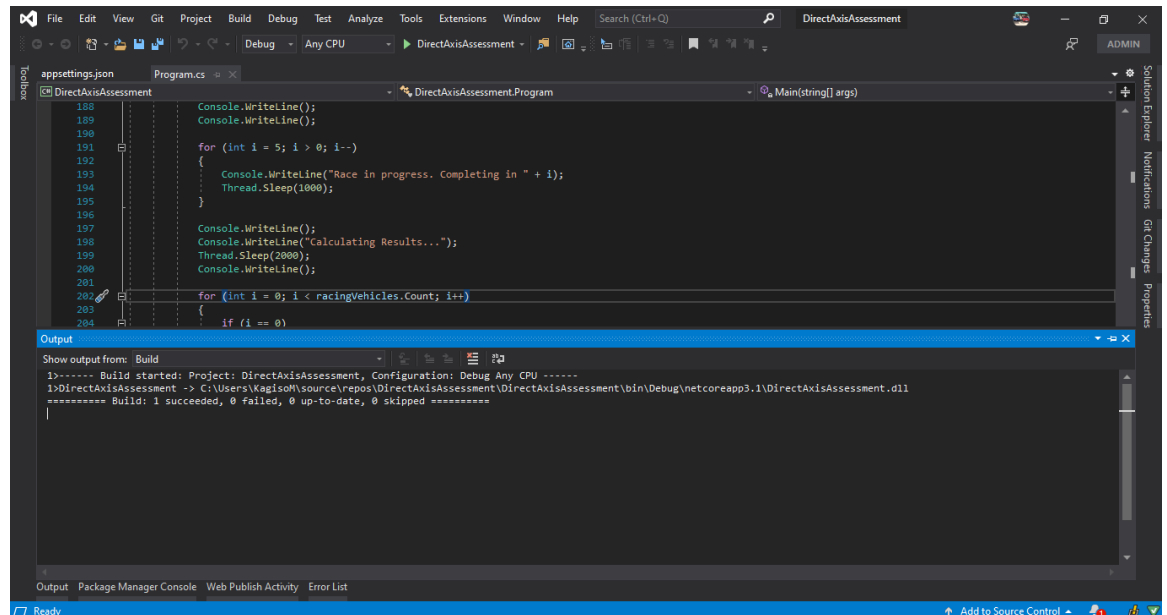
- Open Visual Studio. In my case, I am using Visual Studio 2019 as an example, however the steps should be the same.



- Click on **File -> Open Solution**, navigate to the solution file and open it.



- Once opened, click on **Build -> Build Solution**.



- o This process should download any NuGet packages and make sure that the solution builds. Once that process is done, the solution should build successfully.

## RUNNING THE APPLICATION

- The application has validations built into it, so it will help you run it.