#### **CREATE A NEW PROJECT**

Create a new project in the current folder

dotnet new [TEMPLATE]

dotnet new web

Create a new project in a subfolder

dotnet new [TÉMPLATE] -o [NAME] dotnet new web -o Backend dotnet new mvc -o MyApp

dotnet new console -o MyApp dotnet new classlib -o MyLib dotnet new mstest -o MyLib.Test

dotnet new nunit -o MyLib.Test
Get the list of installed templates

dotnet new

## **MANAGE SOLUTIONS FILES (.SLN)**

Create a new .sln file dotnet new sln

Create a new .sln file in a subfolder dotnet new sln -o MySolution

List all projects in the solution dotnet sln list

Add a project to the solution dotnet sln add [PROJECT\_PATH] dotnet sln add MyLib\MyLib.csproj

Remove a project from the solution

dotnet sln remove [PROJECT\_PATH]

dotnet sln remove MyLib/MyLib.csproj

# RUN

Run an application dotnet run

## MANAGE PROJECT DEPENDENCIES

Add a reference to another project

dotnet add reference [PROJECT\_PATH]
dotnet add reference ../MyLib/MyLib.csproj

Remove a project reference

dotnet remove reference [PROJECT\_PATH]

dotnet remove reference .../MyLib/MyLib.csproj

List all project references dotnet list reference

Add a Nuget package

dotnet add package [PACKAGE]
dotnet add NewtonSoft.Json

Remove a Nuget package

dotnet remove package [PACKAGE]

dotnet remove NewtonSoft.Json

List all project references dotnet list package

# BUILD

Build the project or solution in the current folder dotnet build

Build the Release configuration dotnet build -c Release

Build the project or solution dotnet build [PROJECT/SOLUTION] dotnet build MySolution.sln

### **NUGET**

Create a nuget package dotnet pack

Publish a nuget package dotnet nuget push

#### **TEST**

Run the tests

dotnet test

Run the tests and create test report

dotnet test --logger "trx;LogFileName=results.trx"

List all tests without running them

dotnet test -t

Run specific tests

dotnet test --filter "[FILTER]"

dotnet test --filter Unit

dotnet test --filter "TestCategory=Database"

dotnet test --filter "TestCategory!=Slow"

dotnet test --filter "Unit&(TestCategory=Cat1)"

### **PUBLISH**

Publish the project or solution from the current folder **dotnet publish** 

Publish specific project or solution

dotnet publish [FOLDER]
dotnet publish MyApp

Build a self-contained executable for Windows

dotnet publish -c Release -r win-x64 -f netcoreapp2.2

Build a self-contained executable for Linux

dotnet publish -c Release -r linux-x64 -f netcoreapp2.2

## **GLOBAL TOOLS**

Install a global tool

dotnet tool install -g [TOOLNAME]

Uninstall a global tool

dotnet tool uninstall -g [TOOLNAME]

List all globally installed tools

dotnet tool list -g