

## 1. Create a dependency injection sample for Painter class

### 1.1 inject tools (or paintbrush) to painter object via Dependency injection

## 2. Create at least 10 NUnit tests

### 2.1 run the tests using both visual studio and command line

```
Microsoft Visual Studio Debug Console
Painting with a brush
Spraying with a spray gun
C:\Users\yuvvaraj.k\source\repos\Day_7_Task\Day_7_Task\bin\Debug\net8.0\Day_7_Task.exe (process 18244) exited with code 0 (0x0).
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .
```

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19045.6093]
(c) Microsoft Corporation. All rights reserved.

C:\Users\yuvvaraj.k\source\repos\Day_7_Task\Day_7_Task>dotnet run
Painting with a brush
Spraying with a spray gun

C:\Users\yuvvaraj.k\source\repos\Day_7_Task\Day_7_Task>
```

Test Explorer					Search (Ctrl+I)	
Ready					0 Warnings	0 Errors
Test	Duration	Traits	Error Message			
TestProject (10)	269 ms			Run   Debug		
TestProject1 (10)	269 ms					
PainterTests (10)	269 ms					
PaintBrush_Paint_ReturnsExpect...	13 ms					
Painter_PerformPainting_Multip...	< 1 ms					
Painter_PerformPainting_WhenT...	184 ms					
Painter_PerformPainting_WithFa...	4 ms					
Painter_UsesInjectedTool_Paint...	5 ms					
Painter_WithDifferentTools_Pro...	35 ms					
Painter_WithNullTool_ThrowsA...	33 ms					
Painter_WithPaintBrush_Returns...	14 ms					
Painter_WithSprayGun_Returns...	< 1 ms					
SprayGun_Paint_ReturnsExpect...	< 1 ms					

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.19045.6093]
(c) Microsoft Corporation. All rights reserved.

C:\Users\yuvaraj.k\source\repos\Day_7_Task\TestProject>dotnet test
Restore complete (1.4s)
  Day_7_Task succeeded (0.6s) → C:\Users\yuvaraj.k\source\repos\Day_7_Task\Day_7_Task\bin\Debug\net8.0\Day_7_Task.dll
  TestProject succeeded (1.1s) → bin\Debug\net8.0\TestProject.dll
NUnit Adapter 4.5.0.0: Test execution started
Running all tests in C:\Users\yuvaraj.k\source\repos\Day_7_Task\TestProject\bin\Debug\net8.0\TestProject.dll
  NUnit3TestExecutor discovered 10 of 10 NUnit test cases using Current Discovery mode, Non-Explicit run
NUnit Adapter 4.5.0.0: Test execution complete
  TestProject test succeeded (7.7s)

Test summary: total: 10, failed: 0, succeeded: 10, skipped: 0, duration: 7.6s
Build succeeded in 13.3s

C:\Users\yuvaraj.k\source\repos\Day_7_Task\TestProject>
```