

Lab 01

1. Dotnet project setup using VS Code
2. Git - [git@github.com:pjamenaja/tutorials.git](https://github.com:pjamenaja/tutorials.git)

Objectives

1. Understand how to use “dotnet” to create a new project.
2. Understand how to run program by using “dotnet run”
3. Understand how to use “git bash” command such as “ls”, “mkdir” and “mv”
4. Understand the structure of .Net C# project.

Instructions

1. Use “cd” command to navigate to you project workspace.
2. Use “mkdir Learning” to create your project folder.
3. Use “dotnet new console” to create your console application project template.
4. Open your project using VS Code and see how project is structured.
5. Create namespace “Aut.Learning.Argument”
6. Create a class file call DumpArguments.cs what a “run()” method
7. Writing a program to read command line arguments like “dotnet run DumpArguments”.

Questions

1. What is the purpose of “git” command and what are git subcommands you learnt today?
2. What is the purpose of “dotnet” command and what are dotnet subcommands you learnt today?
3. What is the meaning of “code lens”?
4. What does each command “mkdir”, “mv”, “ls” and “rm” do?
5. Where is the entry point of your program when you run “dotnet run”?
6. Please outline C# source code structure.
 - a. “using”
 - b. “Namespace”
 - c. “Class”
 - d. Data members and methods in the class.