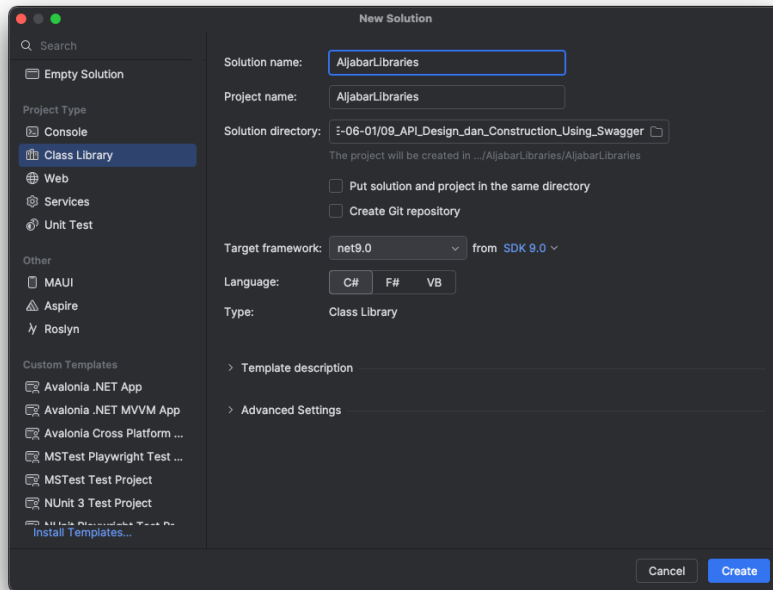


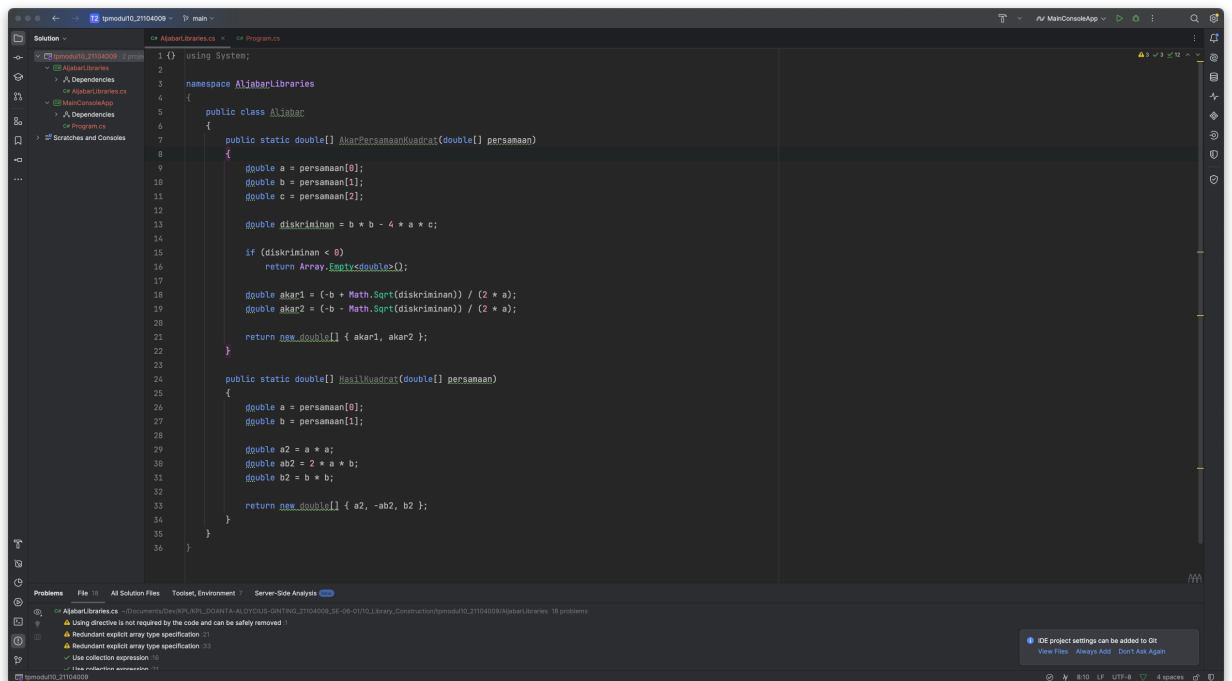
## Tugas Pendahuluan Modul 10

Doanta Aloycius Ginting (21104009)

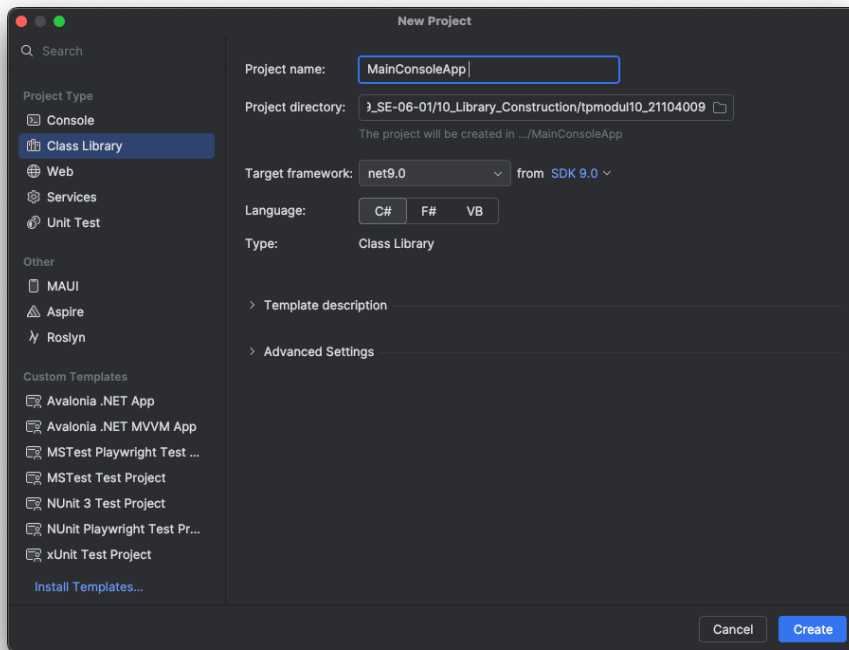
### 1. Membuat Solution dan Class Library



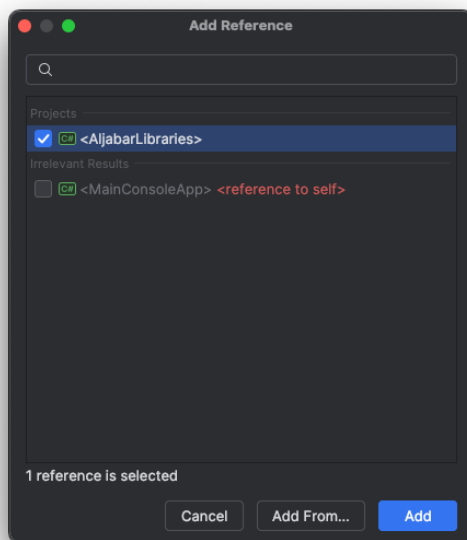
### 2. Membuat Libraries Untuk Lajabar Akar persamaan kuadrat dan hasil kuadrat



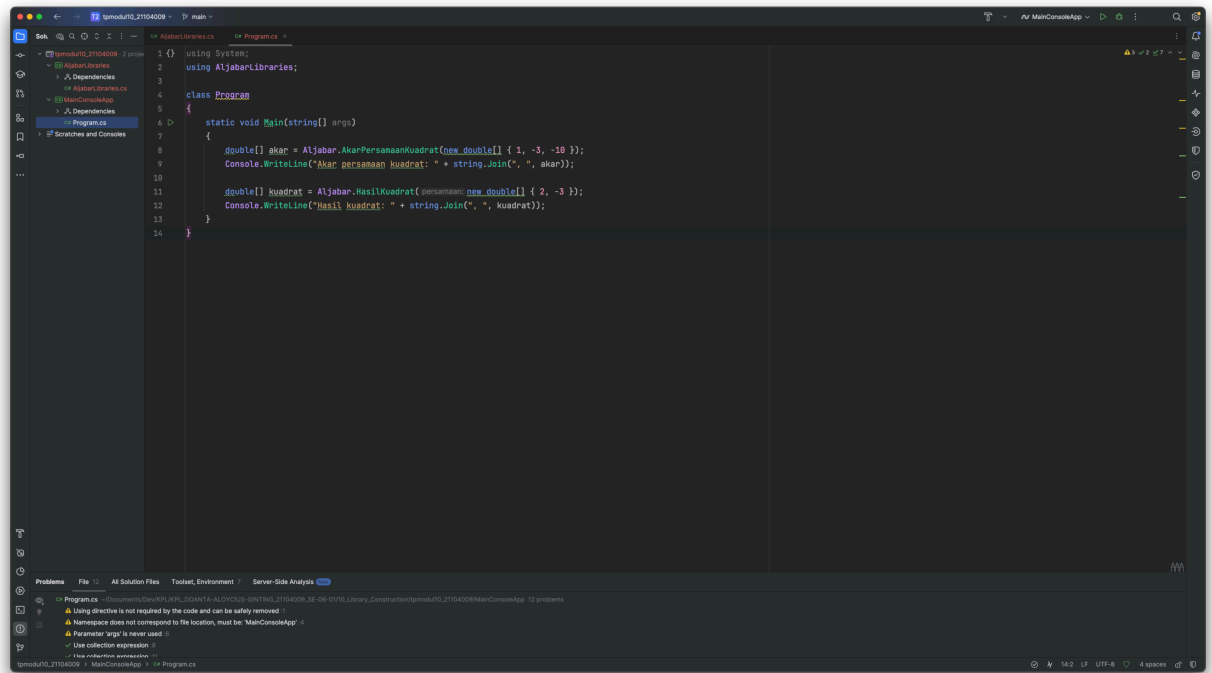
### 3. Membuat Console App



### 4. Menambahkan Reference

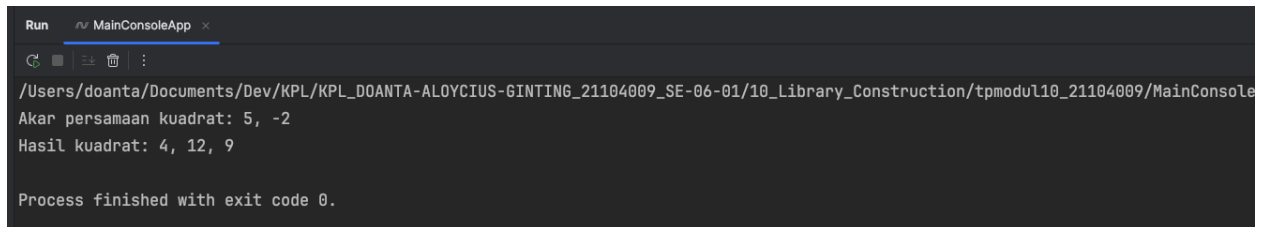


## 5. Program.cs

A screenshot of the Visual Studio Code editor interface. The main editor window displays the file Program.cs. The code defines a class Program with a static Main method. Inside Main, two arrays of doubles are created and passed to methods in the Aljabar namespace. The first method, AkarPersamaanKuadrat, calculates the square roots of the equation x^2 - 5x - 10 = 0, resulting in 5 and -10. The second method, HasilKuadrat, calculates the squares of 2 and -3, resulting in 4 and 9. The console output at the bottom shows the results of these calculations.

```
1 using System;
2 using AljabarLibraries;
3
4 class Program
5 {
6     static void Main(string[] args)
7     {
8         double[] akar = Aljabar.AkarPersamaanKuadrat(new_double[] { 1, -5, -10 });
9         Console.WriteLine("Akar persamaan kuadrat: " + string.Join(", ", akar));
10
11         double[] kuadrat = Aljabar.HasilKuadrat(persamaan: new_double[] { 2, -3 });
12         Console.WriteLine("Hasil kuadrat: " + string.Join(", ", kuadrat));
13     }
14 }
```

## 6. Output

A screenshot of the Run and Debug console in Visual Studio Code. The console shows the output of the program execution. It displays the file path, the calculated square roots (5 and -10), and the calculated squares (4, 12, and 9). The process finished with exit code 0.

```
Run / MainConsoleApp x
/Users/doanta/Documents/Dev/KPL/KPL_DOANTA-ALOYCIUS-GINTING_21104009_SE-06-01/10_Library_Construction/tpmodul10_21104009/MainConsoleApp
Akar persamaan kuadrat: 5, -2
Hasil kuadrat: 4, 12, 9

Process finished with exit code 0.
```