TP 10

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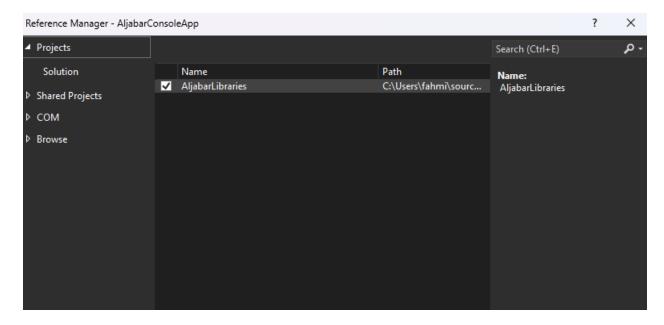
Link Repo:

https://github.com/fahmihasanasagaf/KPL 2311104074 SE0702/tree/main/10 Library Construction

Buat libraries class

```
AljabarConsoleApp
                                           Program.cs
                                                            Class1.cs + ×
AljabarLibraries
                                                                            → <sup>A</sup>S AljabarLibraries.Aljabar
                  using System;
                 namespace AljabarLibraries
                       2 references
public class Aljabar
                           1 reference
public static double[] AkarPersamaanKuadrat(double[] persamaan)
                                double a = persamaan[0];
                                double b = persamaan[1];
double c = persamaan[2];
                                double diskriminan = b * b - 4 * a * c;
                                double akar1 = (-b + Math.Sqrt(diskriminan)) / (2 * a);
                                double akar2 = (-b - Math.Sqrt(diskriminan)) / (2 * a);
                                return new double[] { akar1, akar2 };
                           1 reference
public static double[] HasilKuadrat(double[] persamaan)
                                double a = persamaan[0];
double b = persamaan[1];
                                double hasilA = a * a;
                                double hasilB = 2 * a * b;
                                double hasilC = b * b;
                                return new double[] { hasilA, hasilB, hasilC };
        32
```

Tambah libraries console app dan centang aljabar libraries di project refrencee



Code di aljabarconsoleapp

```
AljabarLibraries
                    AljabarConsoleApp
                                            Program.cs + X Class1.cs
ः AljabarConsoleApp
                                                                             🕶 🧠 Program
               v using System;
  { ja
                  using AljabarLibraries;
                  class Program
                       Oreferences
static void Main(string[] args)
                           double[] kuadrat = Aljabar.HasilKuadrat(new double[] { 2, -3 });
Console.WriteLine("Hasil Kuadrat:");
foreach (var item in kuadrat)
                                 Console.Write(item + " ");
                            Console.WriteLine("\n");
                            double[] akar = Aljabar.AkarPersamaanKuadrat(new double[] { 1, -3, -10 });
                            Console.WriteLine("Akar Persamaan Kuadrat:");
                            foreach (var item in akar)
                                 Console.Write(item + " ");
        25
```

Output

```
Hasil Kuadrat:
4 -12 9

Akar Persamaan Kuadrat:
5 -2

C:\Users\fahmi\source\repos\KPL_2311104074_SE0702\10_Library_Construction\TPmodul10\AljabarConsoleApp\bin\Debug\net8.0\A ljabarConsoleApp.exe (process 14972) exited with code 0 (0x0).

Press any key to close this window . . .
```