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1. Membuat aljabar libraries

```
namespace AljabarLibraries
{
    0 references
    public class AljabarLibraries
    {
        0 references
        public double[] AkarPersamaanKuadrat(double[] persamaan)
        {
            double a = persamaan[0];
            double b = persamaan[1];
            double c = persamaan[2];

            double d = b * b - 4 * a * c;

            if (d > 0)
            {
                double x1 = (-b + Math.Sqrt(d)) / (2 * a);
                double x2 = (-b - Math.Sqrt(d)) / (2 * a);
                return new double[] { x1, x2 };
            }
            else if (d == 0)
            {
                double x = -b / (2 * a);
                return new double[] { x };
            }
            else
            {
                // Return NaN for imaginary roots
                return new double[] { double.NaN, double.NaN };
            }
        }

        0 references
        public double[] HasilKuadrat(double[] persamaan)
        {
            double a = persamaan[0];
            double b = persamaan[1];

            double hasil1 = a * a;
            double hasil2 = 2 * a * b;
            double hasil3 = b * b;

            return new double[] { hasil1, hasil2, hasil3 };
        }
    }
}
```

2. Memanggil aljabar libraries di console app

```
1
2   namespace Program {
3
4       using AljabarLibraries;
5       class Program
6           {
7       static void Main(string[] args)
8       {
9           AljabarLibraries aljabar = new AljabarLibraries();
10          double[] hasil = aljabar.AkarPersamaanKuadrat(new double[] { 1, 3, -10 });
11          foreach (double item in hasil)
12          {
13              Console.Write(item + " ");
14          }
15          Console.WriteLine();
16          double[] hasil2 = aljabar.HasilKuadrat(new double[] { 2,-3 });
17          foreach (double item in hasil2)
18          {
19              Console.Write(item + " ");
20          }
21
22              }
23      }
24  }
```