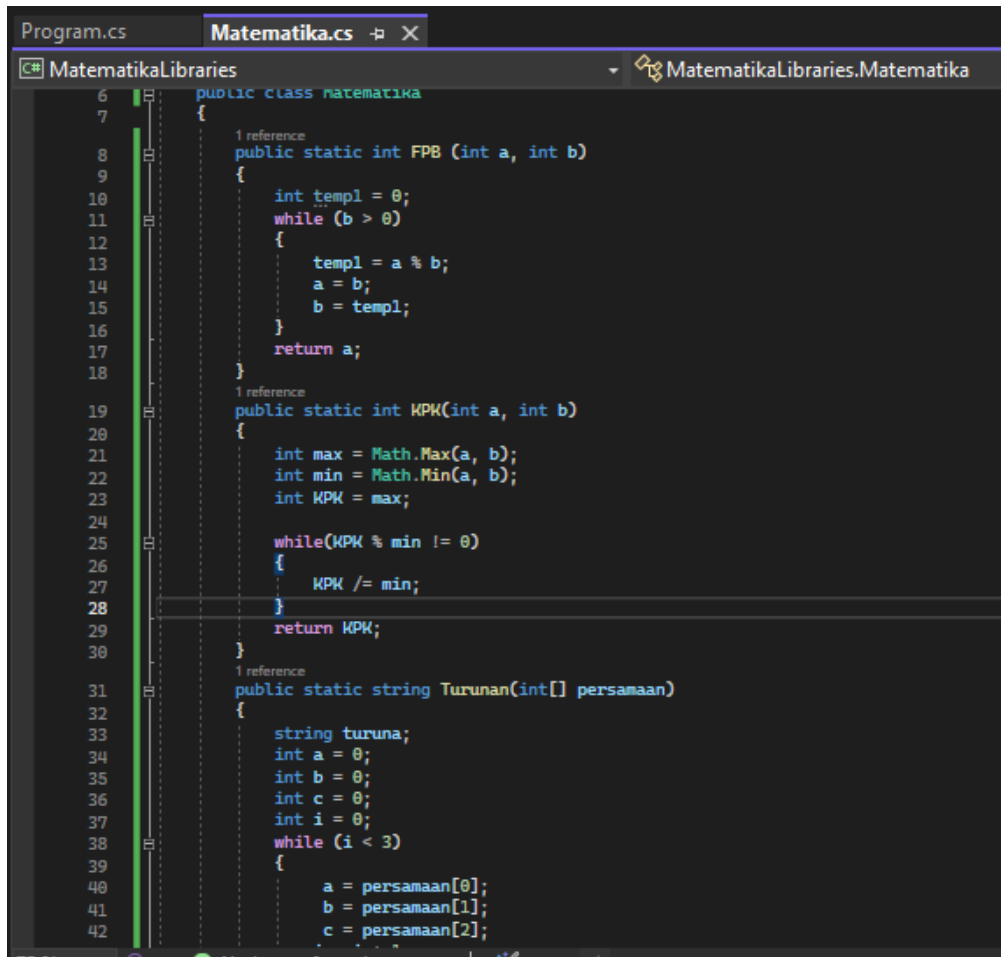


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Library



```
6 public class Matematika
7 {
8     1 reference
9     public static int FPB (int a, int b)
10    {
11        int temp1 = 0;
12        while (b > 0)
13        {
14            temp1 = a % b;
15            a = b;
16            b = temp1;
17        }
18        return a;
19    }
20    1 reference
21    public static int KPK(int a, int b)
22    {
23        int max = Math.Max(a, b);
24        int min = Math.Min(a, b);
25        int KPK = max;
26
27        while(KPK % min != 0)
28        {
29            KPK /= min;
30        }
31        return KPK;
32    }
33    1 reference
34    public static string Turunan(int[] persamaan)
35    {
36        string turuna;
37        int a = 0;
38        int b = 0;
39        int c = 0;
40        int i = 0;
41        while (i < 3)
42        {
43            a = persamaan[0];
44            b = persamaan[1];
45            c = persamaan[2];
```

Bberikut adalah kode untuk mengolah fpb, kpk, turunan dan integral

```

40         a = persamaan[0];
41         b = persamaan[1];
42         c = persamaan[2];
43         i = i + 1;
44     }
45     turuna = a + "x2 " + b + "x " + c;
46     return turuna;
47 }
48 1 reference
49 public static string Integral(int[] persamaan)
50 {
51     string integr;
52     int a = 0;
53     int b = 0;
54     int c = 0;
55     int d = 0;
56     int i = 0;
57     while (i < 4)
58     {
59         a = persamaan[0] / 4;
60         b = persamaan[1] / 3;
61         c = persamaan[2] / 2;
62         d = persamaan[3] / 1;
63         i = i + 1;
64     }
65     integr = a + "x4 " + b + "x3 " + c + "x2 " + d + "x + C";
66     return integr;
67 }
68 }
69 }

```

Program.cs

```

Program.cs  x Matematika.cs  MatematikaLibraries  x
Driver  Program  Main(string[] args)
1  using MatematikaLibraries;
2  0 references
3  internal class Program
4  {
5      0 references
6      private static void Main(string[] args)
7      {
8          Console.WriteLine("FPB dari 60 & 45");
9          Console.WriteLine(Matematika.FPB(60, 45));
10         Console.WriteLine("KPK dari 12 & 8");
11         Console.WriteLine(Matematika.KPK(12, 8));
12         Console.WriteLine("turunan dari 1, 4, -12, 9");
13         Console.WriteLine(Matematika.Turunan(new int[] { 1, 4, -12, 9 }));
14         Console.WriteLine("integral dari 4, 6, -12, 9");
15         Console.WriteLine(Matematika.Integral(new int[] { 4, 6, -12, 9 }));
16     }

```

Berikut adalah kode untuk pemanggilannya

Output

```
Microsoft Visual Studio Debug Console
FPB dari 60 & 45
15
KPK dari 12 & 8
0
turunan dari 1, 4, -12, 9
1x2 4x -12
integral dari 4, 6, -12, 9
1x4 2x3 -6x2 9x + C

C:\Users\PRAKTIKAN\Downloads\modul10_13002213034\Driver\bin\Debug\net6.0\Driver.exe (process 12700) exited with code 0.
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 . . .
```