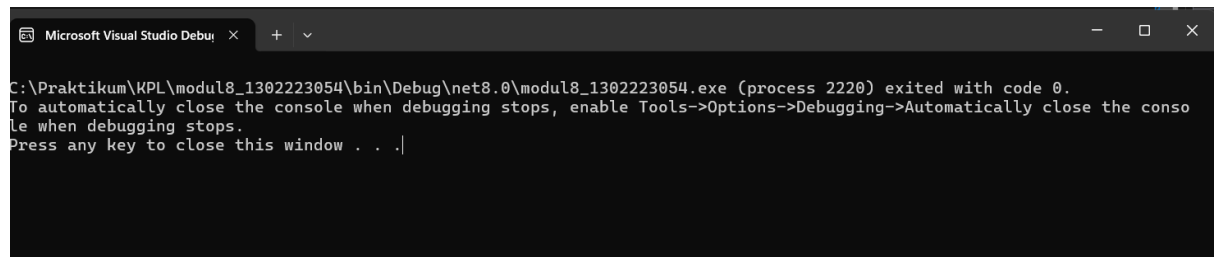


## 1. Link Github Repository

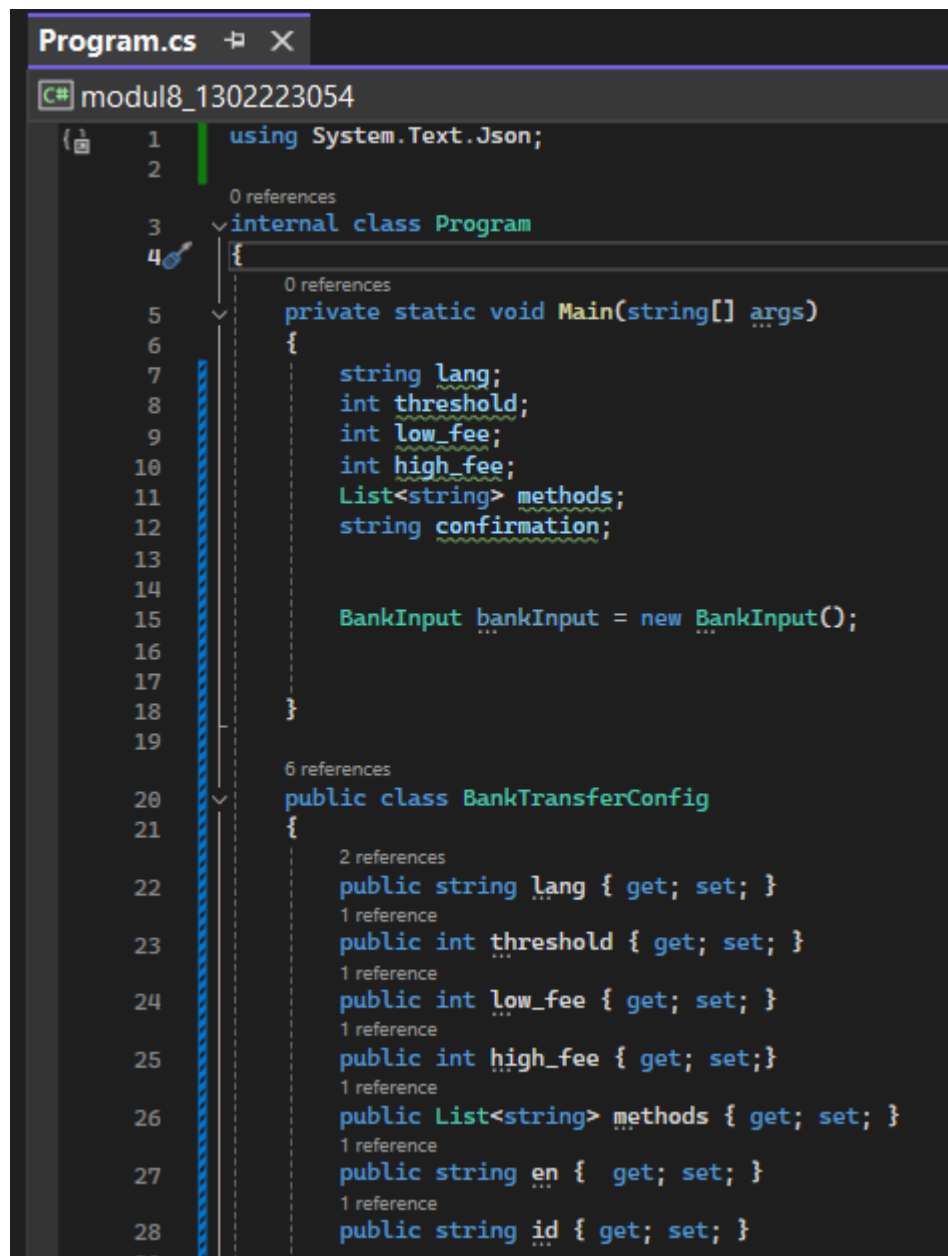
[MuhammadNurShodiq/modul8\\_1302223054 \(github.com\)](https://github.com/MuhammadNurShodiq/modul8_1302223054)

## 2. Hasil Run



```
Microsoft Visual Studio Debug Console
C:\Praktikum\KPL\modul8_1302223054\bin\Debug\net8.0\modul8_1302223054.exe (process 2220) 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 . . .|
```

## 3. Code



```
Program.cs
C# modul8_1302223054

1 using System.Text.Json;
2
3 internal class Program
4 {
5     private static void Main(string[] args)
6     {
7         string lang;
8         int threshold;
9         int low_fee;
10        int high_fee;
11        List<string> methods;
12        string confirmation;
13
14
15        BankInput bankInput = new BankInput();
16
17    }
18
19
20 public class BankTransferConfig
21 {
22     public string lang { get; set; }
23     public int threshold { get; set; }
24     public int low_fee { get; set; }
25     public int high_fee { get; set; }
26     public List<string> methods { get; set; }
27     public string en { get; set; }
28     public string id { get; set; }
29 }
```

```
Program.cs  X
modul8_1302223054  Program

61
62 1 reference
63 private BankTransferConfig ReadConfig()
64 {
65     string jsonData = File.ReadAllText(filepath);
66     bankTransferConfig = JsonSerializer.Deserialize<BankTransferConfig>(jsonData);
67     return bankTransferConfig;
68 }
69
70 1 reference
71 private void SetDefault()
72 {
73     bankTransferConfig = new BankTransferConfig("en", 25000000, 6500, 15000, ["RTO (real-time)", "SKN", "RTGS", "BI FAST"], "yes", "ya");
74 }
75
76 1 reference
77 private void WriteNewConfig()
78 {
79     JsonSerializerOptions options = new JsonSerializerOptions()
80     {
81         WriteIndented = true,
82     };
83     string jsonString = JsonSerializer.Serialize(bankTransferConfig, options);
84     File.WriteAllText(filepath, jsonString);
85 }
86
87 0 references
88 public void UbahData (string dataBaru)
89 {
90     bool dataValid = (dataBaru == "en" || dataBaru == "id");
91     if (dataBaru == null || !dataValid)
92     {
93         throw new ArgumentException();
94     }
95     if (dataValid)
96     {
97         bankTransferConfig.Lang = dataBaru;
```

```
Program.cs  X
modul8_1302223054  Program

28 public string id { get; set; }
29
30 0 references
31 public BankTransferConfig() { }
32
33 1 reference
34 public BankTransferConfig(string lang, int threshold, int low_fee, int high_fee, List<string> methods, string en, string id)
35 {
36     this.lang = lang;
37     this.threshold = threshold;
38     this.low_fee = low_fee;
39     this.high_fee = high_fee;
40     this.methods = methods;
41     this.en = en;
42     this.id = id;
43 }
44
45 3 references
46 public class BankInput
47 {
48     public BankTransferConfig bankTransferConfig;
49     public const String filepath = @"bank_transfer_config.json";
50
51     1 reference
52     public BankInput()
53     {
54         try
55         {
56             ReadConfig();
57         }
58         catch (Exception)
59         {
60             SetDefault();
61             WriteNewConfig();
62         }
63     }
64 }
```

```
94 1 reference
95 if (dataValid)
96 {
97     bankTransferConfig.Lang = dataBaru;
98
99     JsonSerializerOptions jsonSerializerOptions = new JsonSerializerOptions()
100     {
101         WriteIndented = true,
102     };
103     string updateData = JsonSerializer.Serialize(bankTransferConfig, jsonSerializerOptions);
104     File.WriteAllText (filepath, updateData);
105 }
106 }
107 }
108 }
```

#### 4. Penjelasan Kode

Kode diatas merupakan kode program dalam C# yang bertujuan untuk mengatur konfigurasi transfer bank. Kode ini mendefinisikan class BankTransferConfig yang menyimpan informasi terkait bahasa (lang), ambang batas transfer (threshold), biaya minimum (low\_fee), biaya maksimum (high\_fee), metode transfer (methods), dan konfirmasi bahasa (en/id). Class BankInput kemudian digunakan untuk membaca konfigurasi yang tersimpan pada file bank\_transfer\_config.json. Jika file tersebut tidak ditemukan, maka konfigurasi default akan dibuat dan ditulis ke dalam file. Terakhir, fungsi UbahData pada class BankInput memungkinkan pengguna untuk mengubah bahasa (en/id) yang digunakan pada program.