

JURNAL MODUL 8

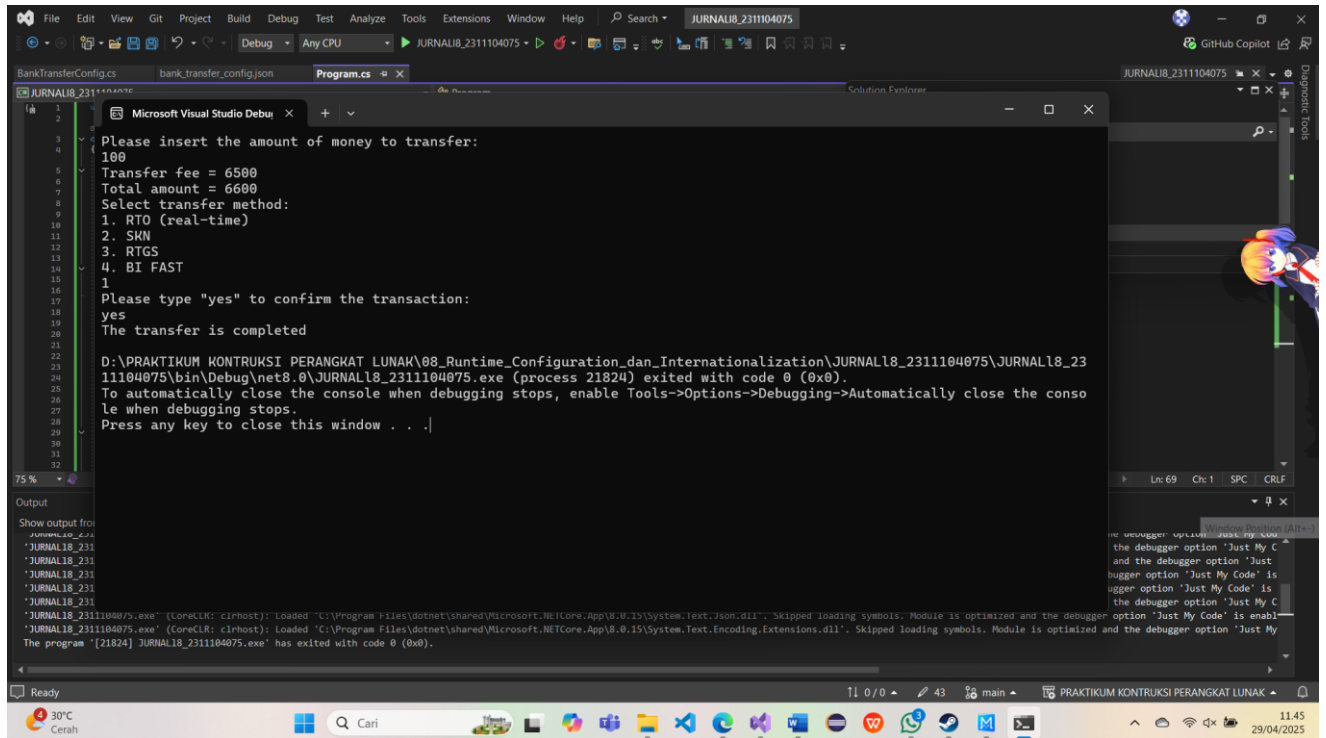


**Nama : Ganes Gemi Putra
SE-07-02
(2311104075)**

Dosen : YUDHA ISLAMI SULISTYA

**PROGRAM STUDI S1 SOFTWARE ENGINEERING
FAKULTAS INFORMATIKA
TELKOM UNIVERSITY
PURWOKERTO
2025**

https://github.com/GANES2/KPL_GANESGEMIPUTRA_2311104075_SE-07-02



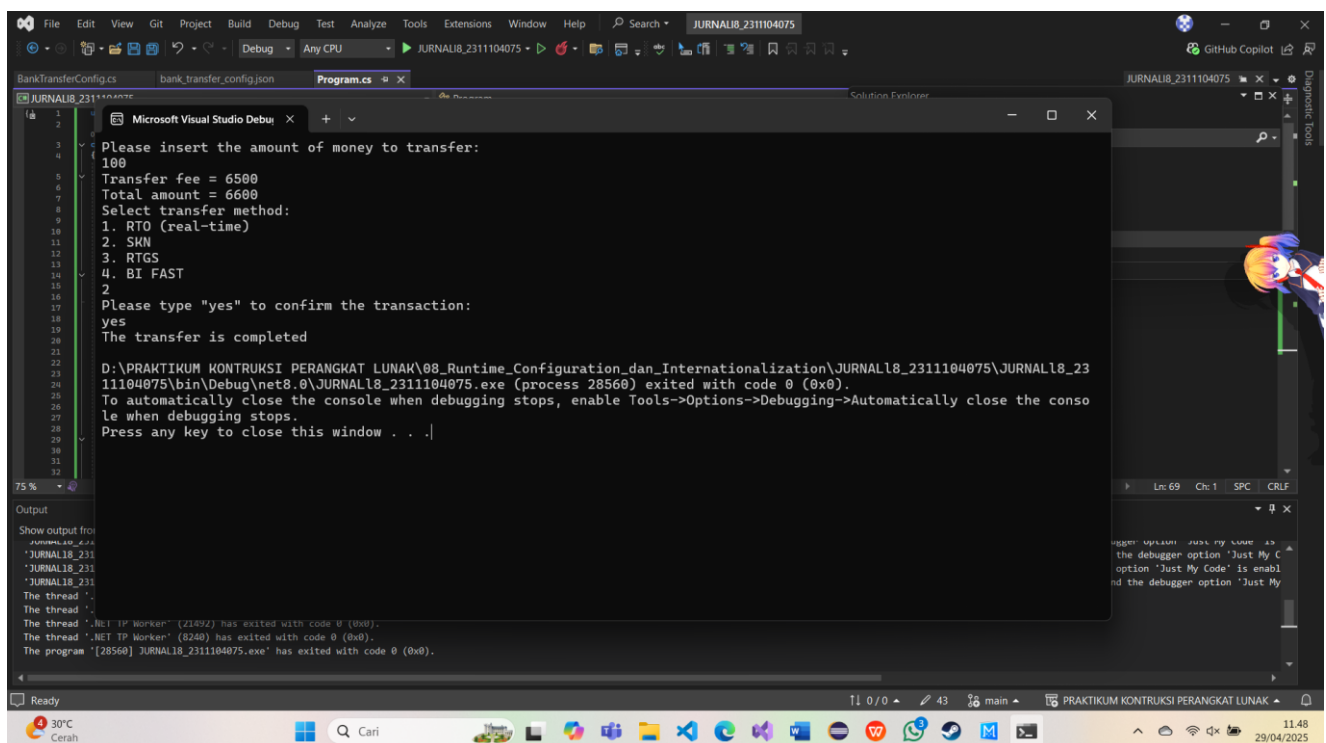
```

1  Please insert the amount of money to transfer:
2  100
3  Transfer fee = 6500
4  Total amount = 6600
5  Select transfer method:
6  1. RTO (real-time)
7  2. SKN
8  3. RTGS
9  4. BI FAST
10 1
11 Please type "yes" to confirm the transaction:
12 yes
13 The transfer is completed
14
15 D:\PRAKTIKUM KONTRUKSI PERANGKAT LUNAK\08_Runtime_Configuration_dan_Internationalization\JURNAL18_2311104075\JURNAL18_23
16 11104075\bin\Debug\net8.0\JURNAL18_2311104075.exe (process 21824) exited with code 0 (0x0).
17 To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the conso
18 le when debugging stops.
19 Press any key to close this window . . .|
20
21
22
23
24
25
26
27
28
29
30
31
32

```

Output

Show output from JURNAL18_2311104075.exe (CoreCLR: clrhost): Loaded 'C:\Program Files\dotnet\shared\Microsoft.NETCore.App\8.0.15\System.Text.Json.dll'. Skipped loading symbols. Module is optimized and the debugger option 'Just My Code' is enabled. The program '[21824] JURNAL18_2311104075.exe' has exited with code 0 (0x0).



```

1  Please insert the amount of money to transfer:
2  100
3  Transfer fee = 6500
4  Total amount = 6600
5  Select transfer method:
6  1. RTO (real-time)
7  2. SKN
8  3. RTGS
9  4. BI FAST
10 2
11 Please type "yes" to confirm the transaction:
12 yes
13 The transfer is completed
14
15 D:\PRAKTIKUM KONTRUKSI PERANGKAT LUNAK\08_Runtime_Configuration_dan_Internationalization\JURNAL18_2311104075\JURNAL18_23
16 11104075\bin\Debug\net8.0\JURNAL18_2311104075.exe (process 28560) exited with code 0 (0x0).
17 To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the conso
18 le when debugging stops.
19 Press any key to close this window . . .|
20
21
22
23
24
25
26
27
28
29
30
31
32

```

Output

Show output from JURNAL18_2311104075.exe (CoreCLR: clrhost): Loaded 'C:\Program Files\dotnet\shared\Microsoft.NETCore.App\8.0.15\System.Text.Json.dll'. Skipped loading symbols. Module is optimized and the debugger option 'Just My Code' is enabled. The program '[28560] JURNAL18_2311104075.exe' has exited with code 0 (0x0).

a. File BankTransferConfig.cs

File ini bertanggung jawab untuk membaca file konfigurasi `bank_transfer_config.json`.

Jika file tidak ditemukan, nilai default akan digunakan. Struktur file terdiri dari:

- **Lang:** Bahasa program (id/en).
- **Transfer:** Konfigurasi biaya transfer.
- **Methods:** Daftar metode transfer.
- **Confirmation:** Kata kunci untuk konfirmasi.

Kode berikut digunakan untuk membaca file konfigurasi:

```
csharp
```

```
SalinEdit
```

```
string json = File.ReadAllText(filePath);
```

```
return JsonSerializer.Deserialize<BankTransferConfig>(json);
```

b. File Program.cs

File ini adalah program utama yang mengimplementasikan logika berikut:

1. **Input jumlah transfer:** Program meminta user memasukkan nominal uang.
2. **Hitung biaya transfer:** Berdasarkan nilai threshold di konfigurasi.
3. **Tampilkan metode transfer:** Menampilkan daftar metode transfer dengan nomor urut.
4. **Konfirmasi transaksi:** Program meminta user memasukkan kata kunci konfirmasi.

Contoh logika hitung biaya transfer:

```
csharp
```

```
SalinEdit
```

```
int transferFee = transferAmount <= config.Transfer.Threshold
```

```
    ? config.Transfer.LowFee
```

```
    : config.Transfer.HighFee;
```

```
int totalAmount = transferAmount + transferFee;
```

c. Hasil Output

Program akan menampilkan pesan yang sesuai dengan konfigurasi bahasa (en atau id):

- **Berhasil:** "Proses transfer berhasil" atau "The transfer is

completed".

- **Gagal: "Transfer dibatalkan" atau "Transfer is cancelled".**

4. Kesimpulan

Proyek ini berhasil mengimplementasikan runtime configuration untuk simulasi aplikasi bank transfer dengan fitur:

- **Membaca konfigurasi dari file JSON.**
- **Menghitung biaya transfer secara dinamis.**
- **Menampilkan pilihan metode transfer.**
- **Konfirmasi transaksi sesuai bahasa pilihan.**