

Coding :

```
import java.io.*;
import java.text.DecimalFormat;
import java.util.*;

public class CarRental {
    public static void main(String[] args) throws IOException {
        Formatter formatter;
        DecimalFormat priceformatter = new DecimalFormat("#0.00");
        try{
            String Name,ic, Carname;
            double deposit , priceperday = 0, balance;
            int day;

            FileReader fr = new FileReader("CarRental.txt");
            BufferedReader br = new BufferedReader(fr);

            FileWriter fw1 = new FileWriter("PaymentBalance.txt");
            PrintWriter pw1 = new PrintWriter(fw1);
            FileWriter fw2 = new FileWriter("Customer.txt");
            PrintWriter pw2 = new PrintWriter(fw2);

            String line = br.readLine();
            formatter = new Formatter();

            pw1.println(formatter.format("%-40s %-20s %-20s %-20s %-10s %-10s %-15s
%n", "CUSTOMER NAME"," IC NUMBER", "TYPE OF CAR", "NUMBER OF DAYS", "DEPOSIT",
"TOTAL", "BALANCE"));
            formatter = new Formatter();

            pw2.println(formatter.format("%-40s %-20s %-20s %-20s", "CUSTOMER
NAME", "IC NUMBER", "TYPE OF CAR", "BALANCE"));
            while (line != null)
            {
                StringTokenizer st = new StringTokenizer(line, ";");
                Name = st.nextToken();
                ic = st.nextToken();
                day = Integer.parseInt(st.nextToken());
                Carname = st.nextToken();
                deposit = Double.parseDouble(st.nextToken());

                if(Carname.equalsIgnoreCase("Toyota Vellfire"))
                {
                    priceperday = 750.0;
                }else if(Carname.equalsIgnoreCase("Honda Civic"))
                {
                    priceperday = 550.0;
                }else if(Carname.equalsIgnoreCase("Proton Preve"))
                {
                    priceperday = 300.0;
                }else if(Carname.equalsIgnoreCase("Perodua Myvi"))
                {
                    priceperday = 250.0;
                }

                double total_payment = day * priceperday;
                balance = total_payment - deposit;

                formatter = new Formatter();
                pw1.println(formatter.format("%-40s %-20s %-20s %-20s %-10s %-10s
%-15s", Name, ic, Carname, day, deposit, priceformatter.format(total_payment),
priceformatter.format(balance)));

                if(balance>1000){
                    formatter = new Formatter();
                    pw2.println(formatter.format("%-40s %-20s %-20s %-20s", Name,
```

```

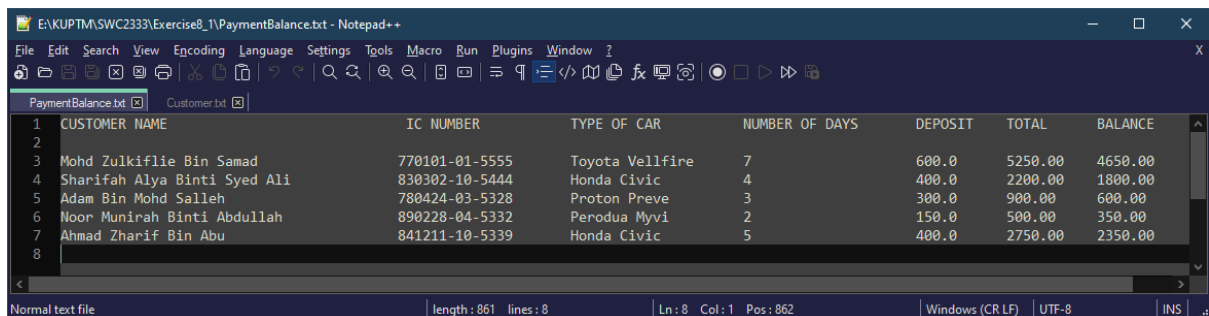
ic, Carname, priceformatter.format(balance));
    }
    line = br.readLine();
}
pw1.close();
pw2.close();
br.close();

}
catch(FileNotFoundException fnf)
{
    System.out.print(fnf.getMessage());
} catch(EOFException ex)
{
    System.out.println(ex.getMessage());
} catch(IOException io)
{
    System.out.print(io.getMessage());
} catch(Exception nf)
{
    System.out.print(nf);
}
finally
{
    System.out.println("System ends here... Bye Bye");
}
}
}

```

Output :

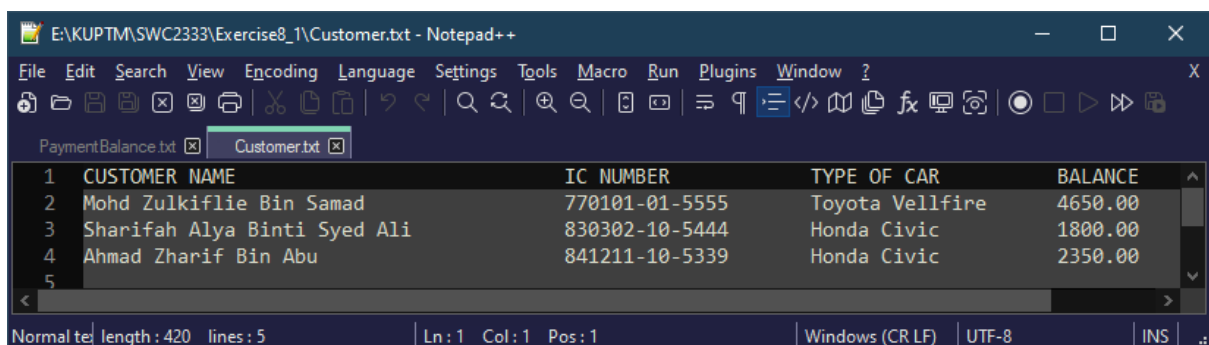
Paymentbalance.txt



The screenshot shows a Notepad++ window titled "E:\KUPTM\SWC2333\Exercise8_1\PaymentBalance.txt - Notepad++". The file contains a table with 8 columns: CUSTOMER NAME, IC NUMBER, TYPE OF CAR, NUMBER OF DAYS, DEPOSIT, TOTAL, and BALANCE. The data is as follows:

CUSTOMER NAME	IC NUMBER	TYPE OF CAR	NUMBER OF DAYS	DEPOSIT	TOTAL	BALANCE
Mohd Zulkiflie Bin Samad	770101-01-5555	Toyota Vellfire	7	600.0	5250.00	4650.00
Sharifah Alya Binti Syed Ali	830302-10-5444	Honda Civic	4	400.0	2200.00	1800.00
Adam Bin Mohd Salleh	780424-03-5328	Proton Preve	3	300.0	900.00	600.00
Noor Munirah Binti Abdullah	890228-04-5332	Perodua Myvi	2	150.0	500.00	350.00
Ahmad Zharif Bin Abu	841211-10-5339	Honda Civic	5	400.0	2750.00	2350.00

Customer.txt



The screenshot shows a Notepad++ window titled "E:\KUPTM\SWC2333\Exercise8_1\Customer.txt - Notepad++". The file contains a table with 4 columns: CUSTOMER NAME, IC NUMBER, TYPE OF CAR, and BALANCE. The data is as follows:

CUSTOMER NAME	IC NUMBER	TYPE OF CAR	BALANCE
Mohd Zulkiflie Bin Samad	770101-01-5555	Toyota Vellfire	4650.00
Sharifah Alya Binti Syed Ali	830302-10-5444	Honda Civic	1800.00
Ahmad Zharif Bin Abu	841211-10-5339	Honda Civic	2350.00