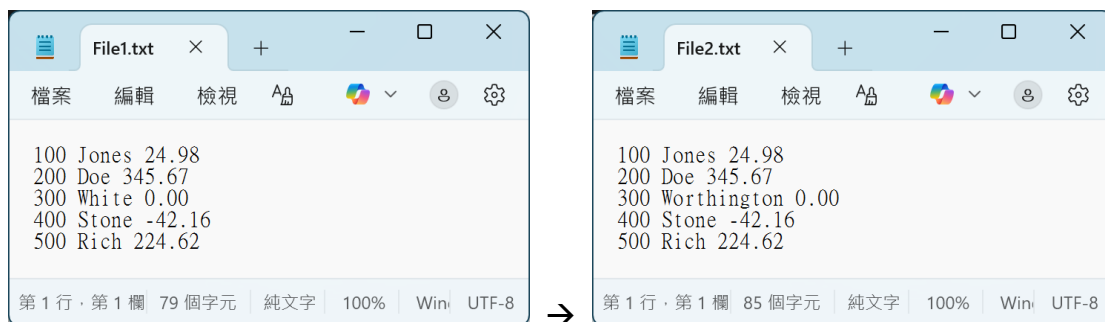


11.X Updating a specific field or record in a sequential access file: Write a program to perform the following tasks: First, the program reads the content of File1.txt, which consists of several lines of the account information: number, name, and balance. The program then asks the user to enter which account to be updated. After the user provides the new account information, the program writes all the new content to File2.txt. For example,

```
The content of File1.txt is as follows:
100 Jones 24.98
200 Doe 345.67
300 White 0.00
400 Stone -42.16
500 Rich 224.62

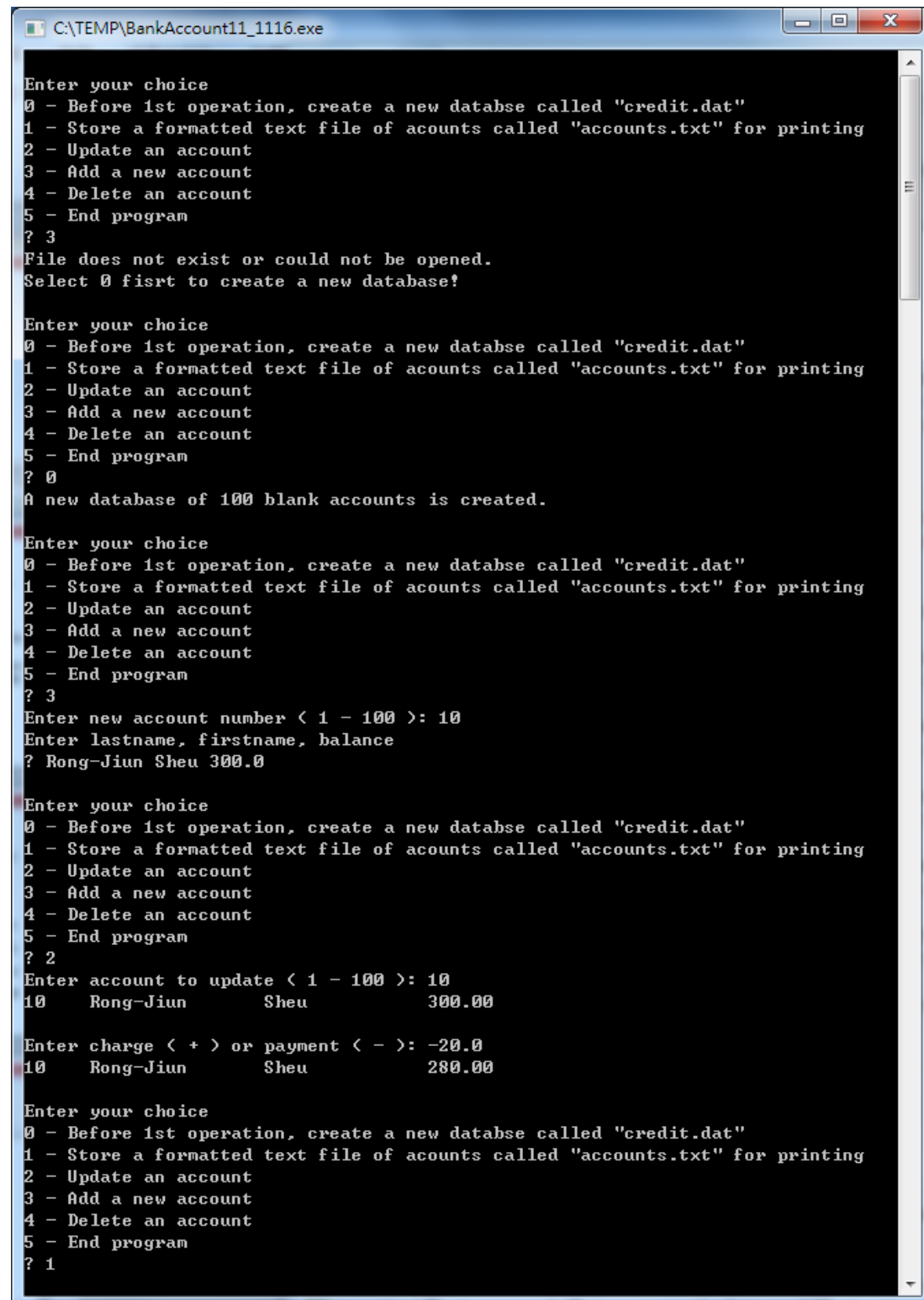
Enter the account to be updated: 300
Enter the new name and balance: Worthington 0.00

The content is updated and written to File2.txt, as you can see:
100 Jones 24.98
200 Doe 345.67
300 Worthington 0.00
400 Stone -42.16
500 Rich 224.62
```



ANS:

11.X Simple transaction-processing program: The program creates and maintains a simple bank account system. It allows creating a new database of blank accounts, updating existing accounts, adding new accounts, deleting accounts, storing a listing of all the current accounts in a text file for printing. [Just combine the two examples \(Figs. 11.4 and 11.7\) developed in the textbook into a single program.](#) For example,



```
C:\TEMP\BankAccount11_1116.exe

Enter your choice
0 - Before 1st operation, create a new databse called "credit.dat"
1 - Store a formatted text file of accounts called "accounts.txt" for printing
2 - Update an account
3 - Add a new account
4 - Delete an account
5 - End program
? 3
File does not exist or could not be opened.
Select 0 first to create a new database!

Enter your choice
0 - Before 1st operation, create a new databse called "credit.dat"
1 - Store a formatted text file of accounts called "accounts.txt" for printing
2 - Update an account
3 - Add a new account
4 - Delete an account
5 - End program
? 0
A new database of 100 blank accounts is created.

Enter your choice
0 - Before 1st operation, create a new databse called "credit.dat"
1 - Store a formatted text file of accounts called "accounts.txt" for printing
2 - Update an account
3 - Add a new account
4 - Delete an account
5 - End program
? 3
Enter new account number < 1 - 100 >: 10
Enter lastname, firstname, balance
? Rong-Jiun Sheu 300.00

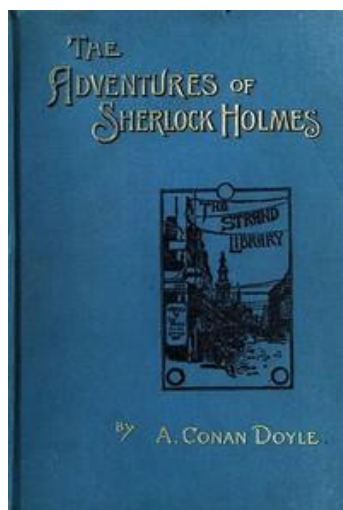
Enter your choice
0 - Before 1st operation, create a new databse called "credit.dat"
1 - Store a formatted text file of accounts called "accounts.txt" for printing
2 - Update an account
3 - Add a new account
4 - Delete an account
5 - End program
? 2
Enter account to update < 1 - 100 >: 10
10   Rong-Jiun      Sheu          300.00

Enter charge < + > or payment < - >: -20.0
10   Rong-Jiun      Sheu          280.00

Enter your choice
0 - Before 1st operation, create a new databse called "credit.dat"
1 - Store a formatted text file of accounts called "accounts.txt" for printing
2 - Update an account
3 - Add a new account
4 - Delete an account
5 - End program
? 1
```

11.X Book analyzer: Write a program that allows you to count the total number of words in the book and calculate word frequencies to find the most frequent 25 words. Go to the website of Project Gutenberg (<https://www.gutenberg.org/>) and download a book in plain text. For example, *The Adventures of Sherlock Holmes* by A. C. Doyle → **SherlockHolmes.txt** (593 kB)

《福爾摩斯冒險史》是亞瑟·柯南·道爾所創作的第一本短篇小說合集，共收錄12篇短篇小說，整本小說圍繞在偵探夏洛克·福爾摩斯的辦案經歷。



字數統計		?	×
統計:			
頁數	324		
字數	107,752		
字元數 (不含空白)	470,858		
字元數 (含空白)	569,228		
段落數	9,626		
行數	12,304		
半形字	107,752		
全形字	0		
<input checked="" type="checkbox"/> 含文字方塊、註腳及章節附註(E)			
關閉			

```

C:\0JOBS\0.Notes\Programing Languages\Misc\BookAnalyzer\BookAnalyzer.exe
The book being analyzed: SherlockHolmes.txt
Total number of words: 108978
Number of different words: 8069
The most common words are:
the 5822
and 3085
i 3038
to 2826
of 2781
a 2701
in 1826
that 1767
it 1749
you 1577
he 1486
was 1412
his 1159
is 1147
my 1007
have 931
with 877
as 863
had 831
at 782
which 778
for 752
not 664
but 655
be 644
me 635

```

ANS: