

Name : Nur Aleeya Syakila Binti Muhamad Subian

Matrix no : A19EC0127

Page 111

EXERCISE 2-OUTPUT AND ERRORS TRACING

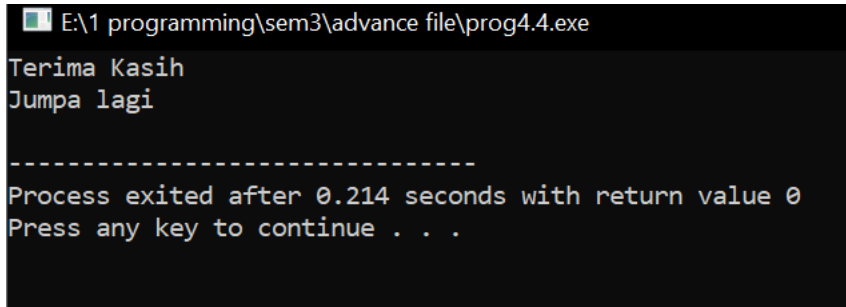
1. i. hasil.txt

	prog4.4.cpp	hasil.txt	lapor.txt	
1		\$789,190		
2		***-3.4CR		

ii. lapor.txt

	prog4.4.cpp	hasil.txt	lapor.txt	
1		Selamat Datang Ke FSKSM, UTM		

iii. output screen



```
E:\1 programming\sem3\advance file\prog4.4.exe
Terima Kasih
Jumpa lagi

-----
Process exited after 0.214 seconds with return value 0
Press any key to continue . . .
```

2. i.

```
E:\1 programming\sem3\advance file\4.5\prog4.5.exe
Johor
Bahru
Melaka
Seremban
Shah
Alam
Alam
Done

-----
Process exited after 0.1172 seconds with return value 0
Press any key to continue . . .
```

ii. since it uses `inout>>city` instead of `getline`, it will read the data until whitespace encountered.

iii.

```
prog4.5.cpp  city.txt
1  #include <iostream>
2  #include <fstream>
3  using namespace std;
4
5  int main()
6  {
7      fstream inout;
8      inout.open("city.txt",ios::in);
9      if(inout.fail())
10     {
11         cout<<"File does not exist";
12         return 0;
13     }
14     char city[50];
15     while(!inout.eof())
16     {
17         inout.getline(city,49);
18         cout<<city<<endl;
19     }
20     inout.close();
21     cout<<"Done"<<endl;
22
23     return 0;
24 }
```

iv.

```
E:\1 programming\sem3\advance file\4.5\prog4.5.exe
Johor Bahru
Melaka
Seremban
Shah Alam

Done

-----
Process exited after 0.1071 seconds with return value 0
Press any key to continue . . .
```

v.

```
void AddData(fstream &in)
{
    in.open("city.txt",ios::app);
    char c[50];
    int n;
    do
    {
        cout<<"\nEnter the city name : ";
        cin.ignore();
        cin.getline(c,50);
        in<<c<<endl;
        cout<<c<<" added to the input file!!"<<endl;
        cout<<"Enter 1-to continue add, 0-to end : ";
        cin>>n;
        cin.ignore();

    }while(n!=0);
    in.close();
}
```

3. i.

```
fstream file("info.dat",ios::in);
char c;
if(file.fail())
    cout<<"Could not open file.\n";
while(!file.eof())
{
    file>>c;
    cout<<c;
}
file.close();
```

ii. fstream datafile("info.dat", ios::out|ios::binary);
int x=5;
datafile.write((char*)&x, sizeof(x));
datafile.close();

iii. fstream dataFile("info.dat", ios::in);
char text[81];
dataFile.getline(text,80);

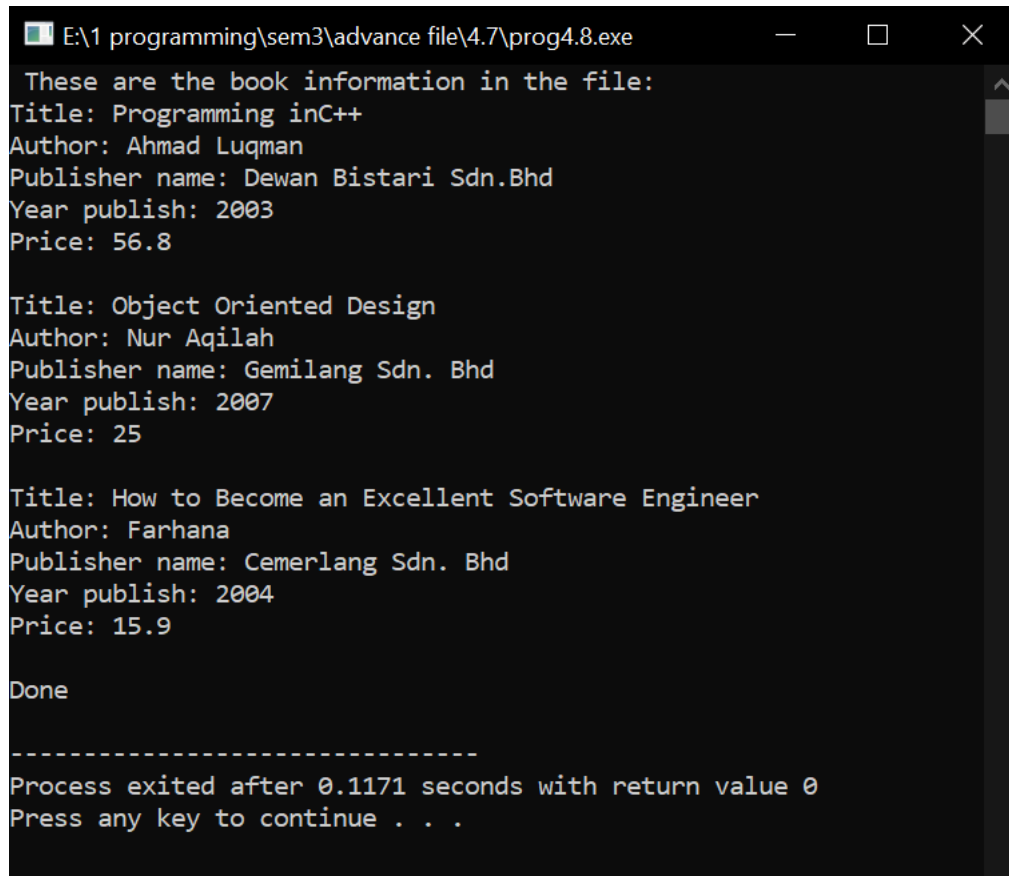
iv. fstream dataFile("info.dat", ios::out);
char sentence[81]="this is a testing sentence";
dataFile.put(sentence,81);

v. fstream dataFile("info.dat", ios::out);
int y;
dataFile.seekp(10);
dataFile>>y;

4.

prog4.6.cpp	outdata.txt
1	23.57
2	12.90
3	825.12
4	1.20
5	0.00
6	0.00
7	0.00

5. i. `#include <fstream>`
ii. `fstream fbook("book.dat", ios::out|ios::binary);`
iii. `fbook.write((char*)&book, sizeof(book));`
6. i. `fstream fbook("book.dat", ios::in|ios::binary);`
ii. `fbook.read((char*)&book, sizeof(book));`
iii.



```
E:\1 programming\sem3\advance file\4.7\prog4.8.exe
These are the book information in the file:
Title: Programming inC++
Author: Ahmad Luqman
Publisher name: Dewan Bistari Sdn.Bhd
Year publish: 2003
Price: 56.8

Title: Object Oriented Design
Author: Nur Aqilah
Publisher name: Gemilang Sdn. Bhd
Year publish: 2007
Price: 25

Title: How to Become an Excellent Software Engineer
Author: Farhana
Publisher name: Cemerlang Sdn. Bhd
Year publish: 2004
Price: 15.9

Done

-----
Process exited after 0.1171 seconds with return value 0
Press any key to continue . . .
```