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# DSA Lab Exercise 3

# SECJ2013 -02

# 

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# PG 101

1. <fstream>
2. ifstream
3. ofstream
4. inData
5. DataOut.txt
6. inData.close()

outData.close()

1. 30

40

50

60

## 

# PG 108 - 109 Question 9

1. <fstream>
2. FoodMenu &
3. fFood.open(“menu.dat”, ios::out|ios::app|ios::binary);
4. fFood.write((char \*)&m1, sizeof(m1));
5. FoodMenu
6. fFood.open(“menu.dat”, ios::in|ios::binary);
7. fFood.read((char \*)&m1, sizeof(m1));
8. !fFood.eof()

VII. fFood.read((char \*)&m1, sizeof(m1));

## 

# PG 111 Question 1

1. $789,190

\*\*\*-3.4CR

1. Selamat datang Ke FSKSM UTM
2. Terima kasih

Jumpa lagi

# PG 112 Question 2

1. Johor

Bahru

Melaka

Seremban

Shah

Alam

Done

1. Because the program here uses a normal ifstream input method to read the data from city.txt . By default, the ifstream input will stop reading whenever it reads a space ‘ ‘.
2. inout.getline(city, 49);
3. Johor

Bahru

Melaka

Seremban

Shah Alam

Done

**Code :**

void AddData(fstream &d){

int choice;

char input[50];

do{

d.open("city.txt", ios::app);

cout << "Please enter the name of the city: ";

cin.getline(input, 49);

d << input << endl;

cout << "Do you want to continue? [0-No, 1-Yes]: ";

cin >> choice;

cin.ignore();

a.close();

}while(choice == 1);

cout << endl;

}

# PG 113

**i.**

*Line 1:* fstream file(“info.dat”, ios::in|ios::binary);

*Line 3:* if (file.fail()) {

*Line 6:* while (!file.eof()) {

*Line 7:* file.read((char \*)&c, sizeof (c));

**ii.**

*Line 3:* datafile.write((char \*)&x, sizeof(x));

**iii.**

*Line 1:* fstream dataFile(“info.dat”, ios::in|ios::binary);

*Line 3:* dataFile.read((char \*)&text, sizeof(text));

**iv.**

*Line 1:* fstream dataFile(“info.dat”, ios::out|ios::binary);

*Line 3:* dataFile.write((char\*)&(sentence[1]) , sizeof (char));

**v.**

*Line 1:* fstream dataFile(“info.dat”, ios::in|ios::binary);

*Line 3:* dataFile.seekg(10);

*Line 4:* dataFile.read((char\*)&y , sizeof (y));

## 

# Pg114

## Question 4

23.57

12.90

825.12

1.20

0.00

0.00

0.00

## Question 5

1. #include <fstream>
2. fstream fbook(“book.dat”, ios::out|ios::binary);
3. fbook.write((char \*)&book, sizeof(book));

# PG 116

1. fstream fbook("book.dat", ios::in|ios::binary);
2. fbook.read((char \*)&book, sizeof(book));
3. **Output**

These are the book information in the file:

Title: Programming in C++

Author: Ahmad Luqman

Publisher name: Dewan Bistari Sdn. Bnd.

Year publish: 2003

Price: 56.80

Title: Object Oriented Design

Author: Nur Aqilah

Publisher name: Gemilang Sdn. Bhd.

Year publish: 2007

Price: 25.00

Title: How to Become an Excellent Software Engineer

Author: Farhana

Publisher name: Cemerlang Sdn. Bhd.

Year publish: 2004

Price: 15.00

Done