



JABATAN KEJURUTERAAN ELEKTRIK

COURSE CODE	EC503	COURSE NAME	OPERATION SYSTEM
COURSE WORK	LAB WORK 3	TOPIC	2
STUDENT'S NAME		REGISTRATION NO	
DATE			

TITLE : BASIC OPERATING SYSTEM CONCEPT MANAGEMENT (CLO2)

Learning Outcomes :

By the end of this lab, students should be able :

1. To know understand the windows NT Get "HELP" from computer through content.
2. Identify information for the hardware
3. Know about hard disk and physical surface, audit user access of files, folders, and printers.

Tools : 1. Lab sheet 2. Windows XP Operating System (Professional Edition)

NOTE: DxDiag is also known as DirectX Diagnostic Tool. It gives information about the DirectX application programming interface(API) components and drivers on your system. It enables you to test sound and graphics output and Microsoft DirectPlay service providers.

Hard Disk – It is non-volatile storage device that stores digitally encoded data on rapidly rotating platters with magnetic surfaces, It is also typically a sealed unit(except for a filtered vent hole to equalize air pressure) with fixed media.

Disk Defragmenter – It is a computer program in Microsoft Windows that acts in increasing the access speed by rearranging files stored on a disk and following to occupy contiguous storage locations.

Fragmentation – It is a phenomenon in which storage space is used inefficiently, reducing storage capacity locations.

Defragmentation- It is a process that reduces the amount of fragmentation in file systems, it does this by physically organizing the contents of the disk and then store these pieces of files close together and contiguously.

Procedures :

- A. To get "HELP" from computer through content
1. Click at the "Start" button then click "HELP".
 2. Click at the "Content" and search for any information which you like to know.
- B. To identify information for the hardware
Control Panel
1. Click at the "Start" button then click at "setting".
 2. Click at the "Control panel", double click at "Run"
- C. To Run
1. Click at the "Start" button then click at "Run.."
 2. Type dxdiag then enter.
 3. List down the function of dxdiag.
- D. To detect data error and hard disk.
- i) CLICK START, PROGRAM , ACCESSORIES.
 - ii) On Accessories, klik System Tools, Disk Defragment, Analyzing.
 - iii) On System Tools.
- E. To increase computer performance:
- i) Click Start, Programs and on program click Accessories.
 - ii) On menu Accessories, Click System Tools.
 - iii) On Systems Tools, click Disk Defragmenter.
- View and print result of the report shown.

Questions/Discussion:

Question 1. What is the meaning of desktop?

Question 2. Explain the function of dxdiag.

Question 3. By using Help, search information and meaning for the keyword as shown below:

- a. servers
- b. workstation
- c. hardware

- d. computer management
- e. services
- f. event viewer
- g. local security policy
- h. domain
- i. users
- j. groups

Question 4. List all the hardware used in this computer.

Question 5. Give your opinion why should we need to search for files or folders?

Question 6. Explain details any methods that you know how to search for file or folder.

Question 7. Explain MS windows and open sources OS file management of FAT and NTFS?

CONCLUSION

Conclude the practical lab in paragraph form.

Lab Report

The lab report you turn in must be typed, and hand-written work will not be accepted. You can use the utility to capture the pictures in your lab report. You should put your name, student ID, and lab session number on the report. The practical work report should have the following sections:

- The title and purpose of the lab;
- Provide a summary of what you performed and learned in this practical work, and
- Write a short answer in your own words to each of questions asked above

PREPARED BY	CHECKED BY	APPROVED BY
COURSE LECTURER PN. SITI AMINAH MOHD RADZI	COURSE COORDINATOR PN. NURHAFIZAH ZAKARIA	HEAD OF PROGRAM EN. MOHAMAD FADZIL BASIR AHMAD
DATE	DATE	DATE