UNIT 13 COMPUTER MAINTENANCE AND TROUBLESHOOTING

Structure

- 13.1 Introduction
- 13.2 Computer Maintenance
- 13.3 Software Troubleshooting
- 13.4 Hardware Troubleshooting
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- 13.7 Answers to Check Your Progress Exercise

13.1 INTRODUCTION

Computer maintenance refers to the physical processes of upkeep of the peripherals. Maintenance activities like regular brushing, dusting, vacuum cleaning etc. are the important and mostly ignored preventive measures.

Regular maintenance generally takes care of most of the problems especially those of data loss or corruption. So it should be given due importance.

Troubleshooting is isolating the source of a problem and fixing it. In the case of computer systems, the term troubleshoot is usually used when the problem is suspected to be hardware related. If the problem is known to be in software, the term debug is more commonly used. Although troubleshooting covers both hardware and software.

Hardware troubleshooting includes removing the problems when the hardware devices as mouse, monitor, printer, modem etc. malfunction.

Software troubleshooting includes removing problems encountered while working with Operating System. It also includes the most threatened problem these days, viruses.

Objectives

After going through this unit, you will be able to:

- discuss the various system tools for computer maintenance, and
- enlist troubleshooting tips for software and hardware.

13.2 COMPUTER MAINTENANCE

Computer, like any other commodity, demands proper maintenance. Everyone must take some desired steps, every couple of weeks, so that their computer remains in good condition.

These are some of the basic things if done properly can increase the life of your computer and can lead to a smooth experience with your computer system.

The following tips could be followed regularly:

- The monitor screen should be cleaned with a dry muslin cloth.
- Keyboard could be cleaned with a brush or a vacuum cleaner.
- Weights like books, files and papers should not be kept on the computer.
- The screen could also be cleaned with a soap water spray.

→ NOTE

Debugging is finding and removing errors (bugs) from a program.

<u>Understanding Computer Troubleshooting And Maintenance</u>

Ken Jaskulski

Understanding Computer Troubleshooting And Maintenance:

Troubleshooting & Maintaining PCs All-in-One For Dummies Dan Gookin, 2021-02-02 Show your PC who s boss Nothing's more annoying than a tech malfunction especially when it's your PC with the exception of perhaps wading through reams of random unreliable theories online looking for a solution or paying an expensive tech geek to show up to perform a five minute fix The latest edition of Troubleshooting Maintaining Your PC All in One For Dummies puts all this frustration behind you and gets you straight to work solving the problem yourself In his straightforward friendly style Dan Gookin bestselling tech author and all round Mr Fixit packs everything you need to know into 5 books in 1 giving you the knowledge and process to hit on the right solution fast From identifying common problems to methodically narrowing down to the correct fix you ll save hours of frustrating research and experience the sweet righteous satisfaction of having achieved it all yourself Pick up quick fixes Understand and reconnect networks Restore memory Boost your PC s performance Every problem has a solution and PCs are no different get this book and you ll never catch yourself shouting at your monitor or frustrated with the motherboard again well maybe not quite so often Troubleshooting & Maintaining Your PC All-in-One For Dummies Dan Gookin, 2017-05-11 Stop being a prisoner to your PC Need a PC problem fixed in a pinch Presto Troubleshooting Maintaining Your PC All in One For Dummies offers 5 books in 1 and takes the pain out of wading through those incomprehensible manuals or waiting for a high priced geek to show up days or weeks after you need them Arming you with everything you need to get that pesky PC working for you ASAP this handy guide walks you through all the steps to restoring whatever's making your PC go rogue so you can get back to making it work for you There's nothing worse than firing up your PC only to discover it s inexplicably unresponsive With this guide you ll gain all the skills and insight you need to need to bring it back to life and to prevent it from ever leaving you in the lurch again Find out what s behind common PC problems Solve email and web woes both big and small Perform regular maintenance and get serious about backups Troubleshoot to find solutions to your issues and learn proper maintenance to head off future headaches Your PC problems aren t as big as you think Take matters into your own hands with the helpful instruction provided inside this book

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