

Chapter 10

OPERATING SYSTEMS

1. Who was the first to call upon programmers around the world to replace proprietary software with free software?

- a) Charles Babbage
- b) Richard Mathew Stallman**
- c) Dennis Ritchie
- d) Tim Berners-Lee

2. The manner in which each operating system formats the hard disk is known as

- a) Kernel**

b) User

c) Shell

d) File System

3. Who developed the Linux kernel which is the basis of the GNU/Linux operating system?

a) Charles Babbage

b) Richard Mathew Stallman

c) Linus Torvalds

d) Ken Thomson

4. Many of the operating systems we see today, such as Mac OS X and Free BSD, are either developed from this operating system or recreated based on

it. From which operating system are they developed?

- a) Red Hat**
- b) Windows**
- c) Google**
- d) UNIX**

5. Which of the following file system is commonly used to install Linux operating system?

- a) NTFS**
- b) Ext 4**
- c) FAT 32**
- d) HPFS**

6. Find an example of a Free Operating system from the following.

a) Windows 10

b) iOS

c) Mac OS X

d) FreeBSD

7. What is the name of the device that Charles Babbage tried to build, later known as the first form of computer?

a) Analytical Engine

b) Ericson

c) ENIAC

d) The Kenback – 1

8. What is the fast file system for temporary storage of information found in GNU/Linux operating system called as?

- a) Root (/)
- b) Home
- c) User
- d) Swap

9. Find an example of application software from those given below.

- a) LibreOffice Writer
- b) Windows10
- c) FreeBSD
- d) Android

10. There is a document file called kalolsavam.odt in the user named kite in the computer. If the file is saved in the user's desktop, How would you write the location of the file?

a) /home/kite/Desktop/kalolsavam .odt

b) /kite/home/Desktop/kalolsavam .odt

c) /Desktop/kite/home/kalolsavam .odt

d) /kalolsavam .odt/kite/home/Desktop

11. What was the name of the project developed by Richard Mathew

Stallman in 1983, whose aim was to

prepare an operating system that could

be studied, modified and shared by anyone without any restriction?

a) UNIX

b) BSD

c) GNU

d) IBM

12. What is the name of the program that instructs the hardware component of the computer how to operate?

a) GUI

b) Hardware

c) Driver

d) File System

13. What is the written form of computer program instructions called?

a) Source Code

b) Shell Code

c) Object Code

d) UNIX

14. Which application is used to know information about hard disk partition in IT@School GNU/Linux operating system?

a) Scratch

b) Users and Groups

c) Disks(gnome-disks)

d) Trust and Launch

15. Which of the following is an Operating system developed under the leadership of Dennis Ritchie and Ken Thompson of Bell Laboratories in the United States of America?

- a) BSD**
- b) Blackberry**
- c) GNU/Linux**
- d) Unix**

16. In which Operating System Linux kernel program is used?

- a) Symbian**
- b) Blackberry**
- c) IOS**

d) Android

17. Which company brings the android operating system?

a) Black Berry

b) Apple

c) Google

d) Microsoft

18. Different file systems may be created for installing different operating systems in the same computer. The process of dividing the hard disk into different parts for this, is called.....

a) Programming

b) Formatting

c) Partitioning

d) Crimping

19. Who is known as the father of computers?

a) Richard Mathew Stallman

b) Tim Berners-Lee

c) Charles Babbage

d) Linus Torvalds

20. Which of the following is an Operating System?

a) Unix

b) Marble

c) G plates

d) IDLE

21. Which of the following is the basic part of an operating system which interacts with the hardware directly or with the help of drivers?

a) Kernel

b) shell

c) GUI

d) CPU

22. Who established the GNU Project in 1983?

a) Richard Mathew Stallman

b) Ken Thompson

c) Linus Torvalds

d) Dennis Ritchie.

23. Which of the following is the hardware device for storing files saved on your computer?

a) Hard Disk

b) Device Driver

c) Kernel

d) DNS

24. IT@school GNU/Linux operating system is developed from free software.

a) Ubuntu

b) Redhat

c) Mandrake

d) Windows

25. Which is the application used for checking the disk partition details of a computer like partition, partition size and file system?

a) Gplates

b) Launcher

c) Disks(gnome-disks)

d) Scratch

26. The programs which instruct the hardware part of a computer how to work are known as

a) System Tools

b) File Manger

c) Discs

d) Driver

27. Which is the fast file system created to store temporary data in GNU/Linux Operating System?

a) Swap

b) Root(/)

c) Ram d) Home (/Home)

28. Which of the following is a hard disk partition, created in GNU/Linux Operating system, to be used as temporary memory?

a) root(/)

b) swap

c) HPFS

d) home

29. Which of the following is an operating system kernel program built by Linus Torvalds?

a) Unix

b) Windows

c) GNU/LINUX

d) XNU

30. To enable any device connected to the computer needs a program that defines how that hardware should work. What is such a program called technically?

a) Driver

b) jack

c) kernel

d) shell

31. Which of the following operating systems is not Linux based?

a) Debian

b) Tizon

c) Android

d) iOS

32. The format of a hard disk suitable for an Operating System is called its.....

a) File System

- b) Partitions**
- c) Swap System**
- d) Drivers**

33. Which of the following file system for running Microsoft Windows?

- a) Ext3**
- b) HPFS**
- c) NTFS**
- d) HPFS+**

34. What form of software is needed to modify or add some thing to a program

- a) Object Code**
- b) License and Conditions**
- c) Registration Number**

d) Source code

35. What kind of software are Tizon, iOS and Blackberry 10?

a) Operating System used in Mobile Phones and Tablets

b) ATM Operating System

c) Operating System used in Washing Machine

d) Operating System used in Server Computers

36. identify the distribution on which the current Gnu/Linux Operating System is based.

a) Debian

- b) Red hat**
- c) Slake ware**
- d) Mandrake**

37. Identify the institution which develop and distribute Mac OS X Operating System?

- a) Microsoft**
- b) Bell Labs**
- c) Apple Inc**
- d) California University**

38. Which of the following files are stored in Home (/home) partition of the File System in Gnu/Linux Operating System?

a) Program files of the Operating System

b) Temporary files

c) Files created by users

d) Files downloaded from Internet

39. Identify the partitions that can be found in a computer installed with GNU/Linux.

a) root, home, swap

b) C, D, E Drives

c) /C, /D, /E Drives

d) TCP, SSH, SMB

40. Which among the following is correct statement?

a) GNU is the Kernel program in GNU Linux system.

b) GNU is the shell program in GNU Linux system.

c) Linux is the Kernel program in GNU Linux system.

d) Linux is the shell program in GNU Linux system.

Very Short Answer

1. Which of the following are the File systems of GNU/Linux?

a) Ext 3

b) FAT

c) HPFS

d) Ext4

e) NTFS

2.A perfect Operating System in practical level has two parts. Identify them from the following.

a) User

b) Root

c) Kernel

d) Swap

e) Shell

3.Identify the Wearable devices from the following.

a) Spectacles that create life-like images and sounds

b) Laptops with Gnu/Linux Operating system

c) Mobile Phones with touch screen.

d) Laptops with Windows operating System

e) Laptops that contain camera and sensors

4. Identify the true statements from the following regarding Gnu/Linux Operating System.

a) Richard Stallman founded the GNU project.

b) Ken Thompson founded the GNU project.

c) Linus Torvalds founded the GNU project.

d) Linus Torvalds developed the kernel for GNU/Linux Operating System.

e) Richard Stallman developed the kernel for GNU/Linux Operating System.

5. Which of the following are mandatory for a computer program to be an Open Source Software?

a) The Source Code of the program should be available for all

b) The program should work in Gnu/Linux

c) The program should be available free of cost

d) Only the Object Code of the program should be available

e) It should be possible for all to learn, modify and create a new one using the Source code.

6. GNU/Linux Operating System has many versions now. These versions are known as Linux Distributions.

Identify the Linux Distributions from the following.

a) Windows

b) Unix

c) Debian

d) Free BSD

e) Red hat

7. Which of the following statements are true regarding the development of Operating Systems?

a) BSD is developed by Dennis Ritchie and Ken Thomson.

b) BSD is brought out by California University, Berkeley

c) Unix is developed by GNU Project.

d) Unix is developed by Richard Stallman and Linux Torvalds

e) The first developers of Unix is Bell Laboratories, America.

8.. Identify two free (Open source) Operating Systems from the following.

a) Microsoft Windows

b) Gnu/Linux

c) FreeBSD

d) Mac OSX

e) Windows NT

9. Select the correct ones from the statements below regarding the kernel programs of different operating systems.

a) The kernel of Microsoft Windows is Windows NT.

b) GNU is the kernel of GNU/Linux operating system.

c) The kernel of UNIX operating system HPFS.

d) XNU is the kernel of Apple Mac OS X.

e) The kernel of BSD operating system is NTFS.

10. Choose from the following two correct statements about the first computer.

a) The first computer which was functional for practical purpose is ENIAC.

b) Program for the ENIAC computer was written by Ken Thompson.

c) Dennis Ritchie also participated in the development of program for ENIAC.

d) Analytic Engine was prepared with electricity.

e) Analytic Engine was built by Charles Babbage

11. Which are the free Linux distributions got redesigned and redistributed by modifying the GNU/Linux operating system?

a) Debian

b) Mac Os X

c) Windows 10

d) Free BSD

e) Ubuntu

12. Which of the following operating systems are based on Linux program?

a) Android

b) Tizon

c) Windows 10

d) Black Berry

e) Ios

13. Find out the two correct statements related to GNU/Linux operating system.

a) The Kernel of GNU/Linux operating system is XNU.

b) GNU/Linux operating system is developed by the GNU Project.

c) GNU/Linux operating system is developed by the Microsoft.

d) The Kernel of GNU/Linux operating system is Linux.

e) GNU/Linux is a proprietary operating system.

13. Which of the following are mobile operating systems?

a) Redhat

b) Mac OS

c) Android

d) iOS

e) Unix

14. Which are the two correct statements related to the kernels of operating system?

a) Linux is the Kernel of Gnu/Linux

b) Windows NT is the kernel of Microsoft Windows.

c) Linux is the Kernel of Apple Mac OS.

d) The kernel of Free BSD operating system is XNU.

e) BSD is the kernel of android operating system.

15. Identify the two developers who built Unix Operating system from the following.

a) Dennis Ritchie

b) Charles Babbage

c) Ken Thompson

d) Ada Byron

e) Tim Berners-Lee

16. Select two Free Operating system.

a) Microsoft Windows

b) Android

e) Mac OS X

c) Debian GNU/Linux

d) Blackberry 10

17. Find the operating systems based on the Linux kernel from the list below

a) Ubuntu

b) Microsoft Windows

c) Mac OS X

d) Android

e) iOS

18. Which of the following are correct statements about the file system in which the operating system is situated?

a) NTFS is the file system used in Mac OS

b) Ext4 is the file system used in GNU Linux.

c) Ext4 is the file system used in Microsoft Windows.

d) NTFS is the file system used in Microsoft Windows.

e) HPFS is the file system used in GNU/Linux.

19. Which of the following statements about operating systems are correct?

a) Unix was first developed by Bell Laboratories.

b) GNU/Linux was developed by Microsoft

c) GNU/Linux was first developed by the University of California

d) Mac OS X was released by Apple Corporation

e) Microsoft Windows was developed by Bell Laboratories.

20. Unix is an operating system that was built by two persons of Bell Laboratories in the United States of America. Choose their name from below.

a) Dennis Ritchie

b) Richard Mathew Stallman c) Ada Byron

d) Ken Thompson

e) Linus Torvalds

21. Which of the following operating systems are GNU/Linux Distributions?

a) Ubuntu

b) Blackberry

c) Windows10

d) IT@School GNU/Linux

e) IOS 4

22. Find the correct statement from the following about mobile operating system.

a) iOS is based on the Linux kernel program.

b) Android is based on the Linux kernel program.

c) BlackBerry 10 is based on the Unix kernel program

d) Tyzon is based on the QNX kernel program.

e) BlackBerry 10 is based on the QNX kernel program.

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