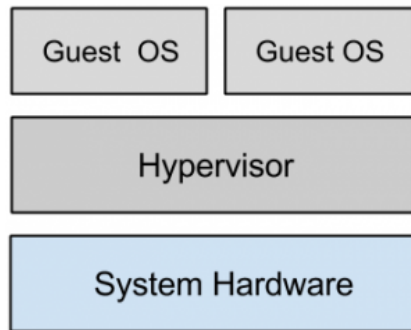


1. Which type of Hypervisor is shown in the following figure?



- a) Type 1
- b) Type 2
- c) Type 3
- d) All of the mentioned

Answer: a

Explanation: A hypervisor running on bare metal is a Type 1 VM or native VM.

2. Point out the wrong statement.

- a) Load balancing virtualizes systems and resources by mapping a logical address to a physical address
- b) Multiple instances of various Google applications are running on different hosts
- c) Google uses hardware virtualization
- d) All of the mentioned

Answer: c

Explanation: Google performs server load balancing to distribute the processing load and to get high utilization rates.

3. Which of the following is another name for the system virtual machine?

- a) hardware virtual machine
- b) software virtual machine
- c) real machine
- d) none of the mentioned

Answer: a

Explanation: Some virtual machines are designed to run only a single application or process and are referred to as process virtual machines.

4. Which of the following provide system resource access to virtual machines?

- a) VMM
- b) VMC
- c) VNM
- d) All of the mentioned

Answer: a

Explanation: VMM is another name for Hypervisor.

5. Point out the correct statement.

- a) A virtual machine is a computer that is walled off from the physical computer that the virtual machine is running on
- b) Virtual machines provide the capability of running multiple machine instances, each with their own operating system
- c) The downside of virtual machine technologies is that having resources indirectly addressed means there is some level of overhead
- d) All of the mentioned

Answer: d

Explanation: This makes virtual machine technology very useful for running old versions of operating systems, testing applications in what amounts to a sandbox.

6. An operating system running on a Type _____ VM is full virtualization.

- a) 1
- b) 2
- c) 3
- d) All of the mentioned

Answer: a

Explanation: Because it is a complete simulation of the hardware that it is running on.

7. Which of the following is Type 1 Hypervisor?

- a) Wind River Simics
- b) Virtual Server 2005 R2
- c) KVM
- d) LynxSecure

Answer: d

Explanation: Type 1 VMs have no host operating system because they are installed on a bare system.

8. Which of the following is Type 2 VM?

- a) VirtualLogix VLX
- b) VMware ESX
- c) Xen
- d) LynxSecure

Answer: c

Explanation: Xen is used by Amazon Web Services to provide Amazon Machine Instances (AMIs).

9. Which of the following will be the host operating system for Windows Server?

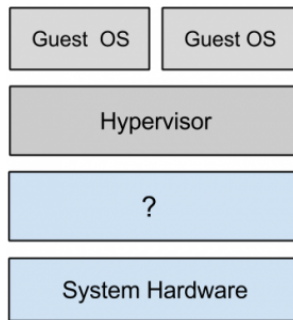
- a) VirtualLogix VLX

- b) Microsoft Hyper-V
- c) Xen
- d) All of the mentioned

Answer: b

Explanation: Type 2 virtual machines are installed over a host operating system.

10. Which of the following should be placed in second lowermost layer for the following figure?



- a) Host Operating System
- b) Software
- c) VM
- d) None of the mentioned

Answer: a

Explanation: Examples of Type 2 Virtual Machine Monitors are Containers, KVM, Microsoft Hyper V and Parallels Desktop for Mac.

11. Point out the wrong statement.

- a) Some hypervisors are installed over an operating system and are referred to as Type 2 or hosted VM
- b) All CPUs support virtual machines
- c) On a Type 2 VM, a software interface is created that emulates the devices with which a system would normally interact
- d) All of the mentioned

Answer: b

Explanation: Not all CPUs support virtual machines and many that do require that you enable this support in the BIOS.

12. Which of the following type of virtualization is found in hypervisor such as Microsoft's Hyper-V?

- a) paravirtualization
- b) full virtualization
- c) emulation
- d) none of the mentioned

Answer: a

Explanation: It is the host operating system that is performing the I/O through a para-API.

13. In _____ the virtual machine simulates hardware, so it can be independent of the underlying system hardware.

- a) paravirtualization
- b) full virtualization
- c) emulation
- d) none of the mentioned

Answer: c

Explanation: A guest operating system using emulation does not need to be modified in any way.

14. Point out the wrong statement.

- a) Full virtualization requires that the host operating system provide a virtual machine interface for the guest operating system and that the guest access hardware through that host VM
- b) Guest operating systems in full virtualization systems are generally faster than other virtualization schemes
- c) A process virtual machine instantiates when a command begins a process
- d) All of the mentioned

Answer: a

Explanation: An operating system running as a guest on a paravirtualization system must be ported to work with the host interface.

15. In a _____ scheme, the VM is installed as a Type 1 Hypervisor directly onto the hardware.

- a) paravirtualization
- b) full virtualization
- c) emulation
- d) none of the mentioned

Answer: b

Explanation: All operating systems in full virtualization communicate directly with the VM hypervisor.

16. Which of the following operating systems support operating system virtualization?

- a) Windows NT
- b) Sun Solaris
- c) Windows XP
- d) Compliance

Answer: b

Explanation: This type of virtualization creates virtual servers at the operating system or kernel level.

17. Which of the following is a service that aggregates servers into an assignable pool?

- a) VMware vStorage
- b) VMware vNetwork

- c) VMware vCompute
- d) Application services

Answer: c

Explanation: VMware vSphere is a management infrastructure framework that virtualizes system, storage, and networking hardware to create cloud computing infrastructures.

18. _____ is a service that creates and manages virtual network interfaces.

- a) VMware vStorage
- b) VMware vNetwork
- c) VMware vCompute
- d) Application services

Answer: b

Explanation: VMware vStorage is a service that aggregates storage resources into an assignable pool.

19. Which of the following allows a virtual machine to run on two or more physical processors at the same time?

- a) Virtual SMP
- b) Distributed Resource Scheduler
- c) vNetwork Distributed Switch
- d) Storage VMotion

Answer: a

Explanation: The virtualization layer that abstracts processing, memory, and storage uses the VMware ESX or ESXi virtualization server.

20. _____ virtualization abstracts networking hardware and software into a virtual network that can be managed.

- a) Storage
- b) Network
- c) Software
- d) None of the mentioned

Answer: b

Explanation: The key feature that makes virtual infrastructure so appealing for organizations implementing a cloud computing solution is flexibility.

21. Which of the following visualization is most commonly achieved through a mapping mechanism where a logical storage address is translated into a physical storage address?

- a) Storage
- b) Network
- c) Software
- d) None of the mentioned

Answer: a

Explanation: Block-based storage such as those used in SANs use a feature called a Logical Unit

Identifier (LUN) with specific addresses stored in the form of an offset called the Logical Block Address (LBA).

22. Point out the wrong statement.

- a) A virtual network can create virtual network interfaces
- b) Instantiating a virtual machine is a very slow process
- c) You can make machine images of systems in the configuration that you want to deploy or take snapshots of working virtual machines
- d) All of the mentioned

Answer: b

Explanation: Instantiating a virtual machine is a very fast process, typically only a few seconds in length.

23. A _____ image makes a copy or a clone of the entire computer system inside a single container such as a file.

- a) system
- b) software
- c) hardware
- d) none of the mentioned

Answer: a

Explanation: The system imaging program is used to make this image and can be used later to restore a system image.

24. Which of the following is an open standard for storing a system image?

- a) OVF
- b) PPF
- c) VOF
- d) Compliance

Answer: a

Explanation: OVF stands for the Open Virtualization Format.

25. _____ is used by Amazon Web Services to store copies of a virtual machine.

- a) AMI
- b) EMI
- c) IMI
- d) Application services

Answer: a

Explanation: AMI stands for Amazon Machine Image.

26. AMI imaging service is provided by Amazon for _____

- a) private use

- b) public use
- c) pay-per-use
- d) all of the mentioned

Answer: d

Explanation: An AMI can be for public use under a free distribution license, for pay-per-use with operating systems such as Windows, or shared by an EC2 user with other users who are given the privilege of access.

27. Which of the following runs on Xen Hypervisor?

- a) Azure
- b) AWS EC2
- c) AWS EC3
- d) All of the mentioned

Answer: b

Explanation: The term virtual appliance is meant to differentiate the software image from an operating virtual machine.

28. Point out the correct statement.

- a) Virtual appliances are a relatively new paradigm for application deployment
- b) External network virtualization cannot be done using network switches and VLAN software
- c) All imaging programs can take snapshots of systems
- d) All of the mentioned

Answer: a

Explanation: Cloud computing is the major reason for the interest in them and for their adoption.

29. Simple Cloud API is useful for applications written in _____

- a) PHP
- b) Python
- c) Scala
- d) None of the mentioned

Answer: a

Explanation: Other methods may be needed to make applications easily portable.

30. The _____ solution creates a virtual application appliance as an architectural layer between the Windows or the UNIX operating system and applications.

- a) AppOne
- b) AppZero
- c) AppSoft
- d) None of the mentioned

Answer: b

Explanation: The running application in AppZero changes none of the registry entries or any of the files on the Windows Server.

31. Point out the wrong statement.

- a) Cloud computing applications have the ability to run on virtual systems
- b) Systems (VMs running applications), storage, and network assets cannot be virtualized
- c) Applications that run in data centers are captive to the operating systems and hardware platforms that they run on
- d) All of the mentioned

Answer: b

Explanation: VMs running applications have sufficient flexibility to give acceptable distributed WAN application performance.

32. Which of the following layer serves as the mediator for file I/O, the memory I/O, and application calls and response to DLLs?

- a) application
- b) client
- c) virtualization
- d) none of the mentioned

Answer: c

Explanation: The running application in AppZero changes none of the registry entries or any of the files on the Windows Server.

33. Which of the following is the most widely used technique for abstraction?

- a) Load balancing
- b) Load scheduling
- c) Load scaling
- d) All of the mentioned

Answer: a

Explanation: With load balancing, system requests are directed to appropriate systems on demand.

34. Which of the following is a potent cloud-building technology?

- a) vSphere
- b) HyperCube
- c) vCube
- d) All of the mentioned

Answer: a

Explanation: vSphere can create virtual machines, virtual datastores, and virtual networks, and move these resources about while the system is active.

35. What does L in LAMP stands for?

- a) Lamp

- b) Linux
- c) Lone
- d) None of the mentioned

Answer: b

Explanation: LAMP stacks based on Red Hat Linux are more common than the other distributions.

36. Point out the wrong statement.

- a) Network capacity is one of the easiest factors to determine
- b) A system uses resources to satisfy cloud computing demands that include processor, memory, storage, and network capacity
- c) Scaling a system can be done by scaling up vertically to more powerful systems
- d) All of the mentioned

Answer: a

Explanation: Network performance is affected by the network I/O at the server, network traffic from the cloud to Internet service providers, and over the last mile from ISPs to homes and offices.

37. Which of the following is one of the major categories of Amazon Machine Instances that you can create on the Amazon Web Service?

- a) WAMP
- b) XAMPP
- c) LAMP
- d) None of the mentioned

Answer: c

Explanation: On Amazon Web Services, machine instances are offered for both Red Hat Linux and for Ubuntu.

38. Which of the following is used as a substitute for PHP as a scripting language in LAMP?

- a) Scala
- b) Perl
- c) Ruby
- d) None of the mentioned

Answer: b

Explanation: Either Perl or Python is often substituted for PHP as the scripting language used.

39. Which of the following RDBMS is used by LAMP?

- a) SQL Server
- b) DB2
- c) MySQL
- d) All of the mentioned

Answer: c

Explanation: MySQL is the database server developed by the Swedish company MySQL AB, owned by Oracle Corporation through its acquisition of Sun Microsystems.

40. Which of the following organization supports the development of standards for cloud computing?

- a) OPC
- b) OCP
- c) OCC
- d) All of the mentioned

Answer: c

Explanation: OCC(open common consortium) is comprised of several universities and interested companies.

41. Point out the wrong statement.

- a) MapReduce is Google's patented software framework that supports distributed large data sets organized by the Google File System
- b) MapReduce is Yahoo's patented software framework that supports distributed large data sets organized by the Yahoo File System
- c) The Apache Hadoop open-source system is based on MapReduce and GFS
- d) None of the mentioned

Answer: b

Explanation: MapReduce is a programming model and an associated implementation for processing and generating large data sets with a parallel, distributed algorithm on a cluster.

42. Which of the following function is provided by OCC working group?

- a) Develop benchmarks for measuring cloud computing performance
- b) Provide testbeds that vendors can use to test their applications
- c) Support the development of open-source reference implementations for cloud computing
- d) All of the mentioned

Explanation: The Working Group on Standards and Interoperability For Large Data Clouds extends the architecture for data storage with a distributed file system.

43. OCC supports the management of cloud computing infrastructure for scientific research as part of the _____ working group initiative.

- a) OSCD
- b) OSCDP
- c) OSCP
- d) All of the mentioned

Answer: b

Explanation: OSCDP stands for Open Science Data Cloud.

44. Point out the correct statement.

- a) SOA offers an architectural blueprint for accessing diverse optimized services through a loosely coupled standardized method
- b) OCC does not support the development of open-source reference implementations for cloud computing
- c) SOA offers an architectural blueprint for accessing diverse optimized services through a tightly coupled standardized method
- d) None of the mentioned

Answer: a

Explanation: SOA is loosely coupled because the service is separated from the messaging.

45. Which of the following is single-purpose application implemented in the cloud?

- a) Carbonite backup
- b) Google's Gmail email
- c) Twitter's Instant Messaging
- d) All of the mentioned

Answer: d

Explanation: Applications of those types have less of a need for the flexibility and loose coupling that SOA provides.

45. A _____ is the combination of data from two or more sources that creates a unique service.

- a) dev
- b) mashup
- c) ajax
- d) all of the mentioned

Answer: b

Explanation: The layers added to Google maps are examples of mashups.

46. Which of the following correctly describes group of technologies that leverage HTML and CSS for styling?

- a) DOM
- b) AJAX
- c) SAS
- d) All of the mentioned

Answer: b

Explanation: AJAX is a set of development tools that allow for client input into Web applications.

47. AJAX uses _____ for asynchronous communication between various data sources.

- a) XSLT
- b) XMLHttpRequest

- c) DTD
- d) None of the mentioned

Answer: b

Explanation: AJAX stands for Asynchronous JavaScript and XML.

48. Which are the following features of AJAX

- a) Live data binding
- b) Declarative instantiation of client components
- c) Client-side template rendering
- d) All the above

Ans d, All the above

49. The advantages of AJAX is _____

- a) Bandwidth utilization
- b) More interactive
- c) Speedier retrieval of data
- d) All of these

Ans d, All of these

50. _____ is a server that supports AJAX?

- a) WWW
- b) SMTP
- c) HTTP
- d) None of the above

Ans- c

HTTP is the server support AJAX

51. What is the full name of AJAX?

- a) Asynchronous Javascript and XML
- b) Another Java and XML Library
- c) Abstract JSON and XML
- d) None of the mentioned

Ans – a

The full form of AJAX is Asynchronous Javascript and XML..

52. Which of the following makes AJAX unique?

- a) It works the same with all Web browsers.

- b) It works as a stand-alone Web-development tool.
- c) It makes data requests asynchronously.
- d) It uses C++ as its programming language.

Ans – c

Ajax makes data requests asynchronously.

53. Which of the technology is not used by AJAX

- a) Document Object Model
- b) XMLHttpRequest
- c) Flash
- d) JavaScript

Ans – c Flash is not used by Ajax.

54. _____ combination of technologies gives AJAX its name

- a) ASP and XAML
- b) Atlas and XML
- c) Asynchronous JavaScript and XML
- d) None of the mentioned

Ans: c

Asynchronous JavaScript and XML

55. AJAX can work with web application

- a) True
- b) False

Ans- a

56. In AJAX _____ ready states are available?

- a) 4
- b) 6
- c) 8
- d) 2

Ans a

In Ajax 4 ready states are available.

57. What are the Disadvantages of AJAX

- a) Debugging is difficult
- b) Increases size of the requests
- c) Slow and unreliable network connection.
- d) All of the mentioned above

Ans d

All of the mentioned above

58. What are the technologies used by AJAX

- a) XMLHttpRequest
- b) Cascading Style Sheets (CSS)
- c) Extensible HTML (XHTML)
- d) All of the above

Ans – d

All of the above

59. Ajax is a programming language.

A. True

B. False

Ans: B

60. ActiveX can be disabled via browser settings.

A. True

B. False

Ans: A

61. JAX made popular by

A. Microsoft

B. IBM

C. Sun Microsystem

D. Google

Ans: D

62. Using AJAX we can made our web page

- a. more interactive and faster
- b. easy to connect web page with server
- c. more dynamic

Ans: A

63. When a user views a page containing a JavaScript program, which machine actually executes the script?

A. The User's machine running a Web browser

- B. The Web server
- C. A central machine deep within Netscape's corporate offices
- D. None of the above

Ans: A

64. Of the following technologies, which one provides the ability to dynamically interact with Web page layout? Ajax

- A. JavaScript.
- B. XML.
- C. Document Object Model.
- D. HTML.

Ans: C

65. What does the <noscript> tag do?

- A. Enclose text to be displayed by non-JavaScript browsers.
- B. Prevents scripts on the page from executing.
- C. Describes certain low-budget movies.
- D. None of the above

Ans: A

66. Using AJAX we can make our web page.

- A. more interactive and faster
- B. easy to connect web page with server
- C. more dynamic

Ans: A

67. Why do JavaScript and Java have similar names?

- A. JavaScript is a stripped-down version of Java
- B. JavaScript's syntax is loosely based on Java's
- C. They both originated on the island of Java
- D. None of the above

Ans: B

68. When a user views a page containing a JavaScript program, which machine actually executes the script?

- A. The User's machine running a Web browser
- B. The Web server
- C. A central machine deep within Netscape's corporate offices
- D. None of the above

Ans: A

69. _____ JavaScript is also called client-side JavaScript.

- A. Microsoft
- B. Navigator

C. LiveWire
D. Native
Ans: B

70. _____ JavaScript is also called server-side JavaScript.

A. Microsoft
B. Navigator
C. LiveWire
Ans: C

71. What is the first step in creating a Joke of the Day application?

A. Create the application's text file.
B. Write the application's HTML.
C. Turn the HTML application into an Ajax application.
D. Upload the application to a Web server.

Ans: B

72. JSON stand for _____

- a) Java Standard Output Network
- b) JavaScript Object Notation
- c) JavaScript Output Name
- d) Java Source Open Network

Ans b
JavaScript Object Notation

73. Which is the correct format of writing JSON name/Value Pair

- a) 'name : value'
- b) name = 'value'
- c) name = "value"
- d) "name" : "value"

Ans - d

"name" : "value"

74. Which of the following is not a type in JSON?

- a) Date
- b) Object
- c) Array
- d) String

Ans – a ,date is not a valid type in JSON?

75. Who is the father of JSON?

- a) Douglas Crockford
- b) Rasmus Lerdorf
- c) Douglas Michel
- d) Dennis Ritchie

Ans a

Douglas Crockford is the Father of JSON

76. Which of these is correct about the JSON standard?

- A. It is an open standard
- B. It is privately developed
- C. It requires a license to use

Ans:A

77. What is the file extension of JSON?

- A. .jn
- B. .js
- C. .jsn
- D. .json

Ans:D

78. In modern websites what is the common usage for JSON?

- A. To store information remotely.
- B. To send and receive bits of data.
- C. To store information locally.

Ans:B

7. JSON strings have to be in

- A. single quote
- B. double quote
- C. single quote or double quote

Ans:B

79. Which are the main features of XML?

- a. Text data description

- b. Human- and computer-friendly format
- c. Handles data in a tree structure having one-and only one-root element
- d. All mentioned above

ANSWER: All mentioned above

Explanation:

No explanation is available for this question!

80. Which is a language for finding information in an XML document?

- a. Xpath
- b. XSLT
- c. XLink
- d. XPointer

ANSWER: Xpath

Explanation:

No explanation is available for this question!

81. XML stands for?

- a. Extensible Markup Language
- b. Extended Mashup Language
- c. Extensible Mashup Language
- d. X-Markup Language

ANSWER: Extensible Markup Language

Explanation:

No explanation is available for this question!

82. Which is used about text data that should not be parsed by the XML parser?

- a. CDATA
- b. PCDATA
- c. None of the above

ANSWER: CDATA

83. Find the correct syntax of the declaration which defines the XML Version?

- a. < ?xml version= "1.0" ? >
- b. < xml version="1.0"/ >
- c. < ?xml version="1.0" / >
- d. None of the above

ANSWER: < ?xml version= "1.0" ? >

84. Which allows hyperlinks to point to specific parts (fragments) of XML documents?

- a. XPath
- b. XSLT
- c. XLink
- d. Xpointer

ANSWER: Xpointer

85. An XML parser converts an XML document into an XML DOM object, which can then be manipulated with JavaScript.

- a. True
- b. False

ANSWER: True

86. Abbreviate the term DOM?

- a. Developed Object Model
- b. Document Object Model
- c. Document Oriented Model
- d. None of the above

ANSWER: Document Object Model

87. Which language is case sensitive?

- a. HTML
- b. XML
- c. Both A & B
- d. None of the above

ANSWER: XML

88. Which of the following technology is used for syndicated content?

- a) AJAX
- b) RSS
- c) Javascript
- d) All of the mentioned

Answer: b

Explanation: RSS stands for Really Simple Syndication.

89. Point out the correct statement.

- a) A syndication service is another way for people to send messages to a group of people
- b) You can read RSS and Atom formatted content inside special applications called newsreaders
- c) Web feeds also are used to follow blogger and wikis entries
- d) All of the mentioned

Answer: d

Explanation: The technology behind syndication is simple, but the value of the content can be impactful.

90. How many technologies are used for most of the syndicated content on the Internet?

- a) 1
- b) 2
- c) 3
- d) 4

Answer: b

Explanation: Two technologies are behind most of the syndicated content being used on the Internet: RSS and Atom.

91. Which of the following file format is used by RSS module?

- a) XML
- b) SMIL
- c) JSON
- d) All of the mentioned

Answer: a

Explanation: RSS uses an XML file format and the concept of an RSS world or module.

92. Point out the wrong statement.

- a) In Gmail, you can construct searches with multiple operators using the Advanced Search feature
- b) RSS and Atom are prototypes of a class of XML specifications called synchronized markup languages
- c) A typical RSS document or feed contains text and metadata that can be used to indicate publication dates
- d) None of the mentioned

Answer: b

Explanation: RSS and Atom are prototypes of a class of XML specifications called syndication markup languages.

93. Which of the following was developed as an alternative to XML syndication by IETF?

- a) Atom Publishing Protocol
- b) Atom Subscribing Protocol
- c) Atom Subscribe Protocol
- d) None of the mentioned

Answer: a

Explanation: Atom has some structural differences with RSS, but is similar in approach and technology.

94. Which of the following application is a newsreader?

- a) Google Reader
- b) Bloglines
- c) Newsgator Online
- d) All of the mentioned

Answer: d

Explanation: These are a class of applications whose entire purpose is displaying RSS content.

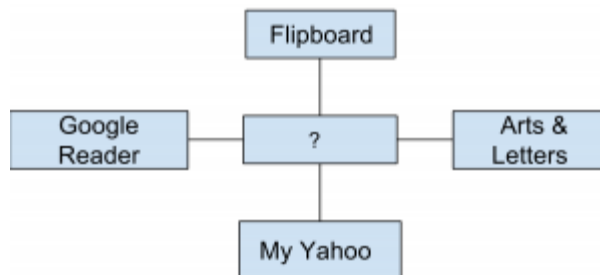
95. _____ is an application for collecting messages sent in RSS and Atom format from information providers.

- a) Google Reader
- b) Yahoo Mail
- c) EmailRackspace
- d) All of the mentioned

Answer: a

Explanation: These applications are sometimes referred to as newsreaders or aggregators.

96. What does the following figure give information about?



- a) Mail Service
- b) News aggregator
- c) Office Suite
- d) None of the mentioned

Answer: b

Explanation: A news aggregation Web site is one that relies on collecting the syndicated content from other Web sites in a form that can be viewed together.

97. Which of the following technology is used for syndicated content ?

- a) AJAX
- b) RSS

c)Javascript

d) All of the mentioned

Answer: b

98. Is JSON Case Sensitive

a. Yes

b, NO

Yes , JSON is Case sensitive

99. What is the file extension of JSON?

A. .jn

B. .js

C. .jsn

D. .json

Ans:D

100. Which of these is proper a JSON array?

A. { "letters" : ["a", "b", "c";] }

B. { 'letters' : { "a", "b", "c" } }

C. { "letters" : [a, b, c] }

D. { "letters" : ["a", "b", "c"] }

Ans:D