



Advance JAVA MCQ - good notes

Project Development (Institute of Integrated Learning in Management University)

ADVANCE JAVA MCQ

1. Which of the following contains both date and time?

- a.java.io.date
- b.java.sql.date
- c.java.util.date
- d.java.util.datetime

Answer: d. java.util.datetime

2. Which of the following is advantage of using JDBC connection pool?

- a.slow performance
- b.using more memory
- c.using less memory
- d.better performance

Answer: d. better performance

3. Which of the following is advantage of using PreparedStatement in Java?

- a.slow performance
- b.encourages sql injection
- c.prevents sql injection
- d.more memory usage

Answer: c. prevents sql injection

4. Which one of the following contains date information?

- a.java.sql.timestamp
- b.java.sql.time
- c.java.io.time
- d.java.io.timestamp

Answer: a. java.sql.timestamp

5.What does setAutoCommit(false) do?

- a.commits transveraction after each query
- b.explicitly commits transveraction
- c.does not commit transveraction automatically after each query
- d.never commits transveraction

Answer: c. does not commit transveraction automatically after each query

6.Which of the following is used to call stored procedure?

- a.statement
- b.preparedstatement
- c.callablestatment
- d.calledstatement

Answer: c. callablestatment

7.Which of the following is method of JDBC batch process?

- a.setbatch()
- b.deletebatch()

- c.removebatch()
- d.addbatch()

Answer: d. addbatch()

8.Which of the following is used to rollback a JDBC transaction?

- a.rollback()
- b.rollforward()
- c.deletetransaction()
- d.removetransaction()

Answer: a. rollback()

9.Which driver uses ODBC driver to connect to the database?

- a.jdbc-odbc bridge driver
- b.native – api driver
- c.network protocol driver
- d.thin driver

Answer: a. jdbc-odbc bridge driver

10. How many JDBC product components does the Java software provides?

- a. 3
- b. 2
- c. 4
- d. 5

Answer: a. 3

11. How many types of JDBC drivers are available?

- a. 3
- b. 4
- c. 2
- d. 5

Answer: b. 4

12. Which result set generally does not show changes to the underlying database that are made while it is open. The membership, order, and column values of rows are typically fixed when the result set is created?

- a. type_forward_only
- b. type_scroll_insensitive
- c. type_scroll_sensitive
- d. all mentioned above

Answer: b. type_scroll_insensitive

13. Which method is used for an SQL statement that is executed frequently?

- a. prepare statement
- b. prepare call
- c. create statement
- d. none of the above

Answer: a. prepare statement

14. What is used to execute parameterized query?
- a. statement interface
 - b. preparedstatement interface
 - c. resultset interface
 - d. none of the above

Answer: b. preparedstatement interface

15. Which JDBC product components does the Java software provide?
- a. the jdbc driver manager
 - b. the jdbc driver test suite
 - c. the jdbc-odbc bridge
 - d. all mentioned above

Answer: d. all mentioned above

16. JDBC stands for?
- a. java database connectivity
 - b. java database concept
 - c. java database communications
 - d. none of the above

Answer: a. java database connectivity

17. Which of the following allows non repeatable read in JDBC Connection?
- a. transwaction_read_uncommitted
 - b. transwaction_read_committed
 - c. transwaction_serializable
 - d. transwaction_repeatable_read

Answer: d. transwaction_repeatable_read

18. Which of the following statements is false as far as different type of statements is concern in JDBC?
- a. regular statement
 - b. prepared statement
 - c. callable statement
 - d. interim statement

Answer: d. interim statement

19. Which of the following methods are needed for loading a database driver in JDBC?
- a. registerdriver() method
 - b. class.forName()
 - c. both a and b
 - d. getConnection()

Answer: c. both a and b

20. Which of the following is false as far as type 4 driver is concern?
- a. type 4 driver is "native protocol, pure java" driver
 - b. type 4 drivers are 100% java compatible
 - c. type 4 drivers uses socket class to connect to the database
 - d. type 4 drivers can not be used with netscape

Answer: d. type 4 drivers can not be used with netscape

21. Which driver is efficient and always preferable for using JDBC applications?
- a. type – 4
 - b. type – 1
 - c. type – 3
 - d. type – 2

Answer: a. type – 4

22. JDBC facilitates to store the java objects by using which of the methods of PreparedStatement setObject ()
2. setBlob() 3. setClob()
- a. 1, 2
 - b. 1,2,3
 - c. 1,3
 - d. 2,3

Answer: b. 1,2,3

23. The JDBC-ODBC bridge is
- a. three tiered
 - b. multithreaded
 - c. best for any platform
 - d. all of the above

Answer: b. multithreaded

24. All raw data types (including binary documents or images) should be read and uploaded to the database as an array of
- a. byte
 - b. int
 - c. boolean
 - d. char

Answer: a. byte

25. The class java.sql.Timestamp has its super class as
- a. java.sql.time
 - b. java.util.date
 - c. java.util.time
 - d. none of the above

Answer: b. java.util.date

26. BLOB, CLOB, ARRAY and REF type columns can be updated in
- a. jdbc 1.0
 - b. jdbc 4.0
 - c. jdbc 2.0
 - d. jdbc 3.0

Answer: d. jdbc 3.0

27. Which of the following methods finds the maximum number of connections that a specific driver can obtain?

- a. database.getmaxconnections
- b. connection.getmaxconnections
- c. databasemetadata.getmaxconnections
- d. resultsetmetadata.getmaxconnections

Answer: c. databasemetadata.getmaxconnections

28. When the message "No Suitable Driver" occurs?
- a. when the driver is not registered by class.forName() method
 - b. when the user name, password and the database does not match
 - c. when the jdbc database url passed is not constructed properly
 - d. when the type 4 driver is used

Answer: c. when the jdbc database url passed is not constructed properly

29. Which driver is called as thin-driver in JDBC?
- a. type-4 driver
 - b. type-1 driver
 - c. type-3 driver
 - d. type-2 driver

Answer: a. type-4 driver

30. How many transaction isolation levels are defined in java.sql.Connection interface?
- a. 4
 - b. 3
 - c. 5
 - d. 2

Answer: c. 5

31. Which method is used to perform DML statements in JDBC?
- a. execute()
 - b. executequery()
 - c. executeupdate()
 - d. executeresult()

Answer: c. executeupdate()

32. What is the disadvantage of Type-4 Native-Protocol Driver?
- a. at client side, a separate driver is needed for each database.
 - b. type-4 driver is entirely written in java
 - c. the driver converts jdbc calls into vendor-specific database protocol
 - d. it does not support to read mysql data)

Answer: a. at client side, a separate driver is needed for each database.

33. TCP,FTP,Telnet,SMTP are example of?
- a. socket
 - b. ip address
 - c. protocol
 - d. mac address

Answer: c. protocol

34. In InetAddress class which method returns the host name of IP address?
- a. public string gethostname()
 - b. public string gethostaddress()
 - c. public string inetaddress getlocalhost()
 - d. none

Answer: a. public string gethostname()

35. Show some networking terminology given below?
- a. all
 - b. ip address
 - c. protocol
 - d. mac address

Answer: a. all

36. Which classes are used for connection less socket programming?
- a. datagram socket
 - b. datagram packet
 - c. both a and b
 - d. none

Answer: c. both a and b

37. how many ports TCP/IP are reserved for specific protocol?
- a. 10
 - b. 1024
 - c. 2048
 - d. 512

Answer: b. 1024

38. how many bits are in a single IP address?
- a. 8
 - b. 16
 - c. 32
 - d. 64

Answer: c. 32

39. Which of these class is used to encapsulate IP address and DNS?
- a. datagram packet
 - b. url
 - c. inetaddress
 - d. contenthandler

Answer: c. inetaddress

40. Which of these is return type of getAddress method of DatagramPacket class?
- a. findaddress()
 - b. getAddress()
 - c. address()
 - d. whois()

Answer: b. getAddress()

41. Which of these method of DatagramPacket is used to find port number?
- a. port()
 - b. getport()
 - c. findport()
 - d. receivedport()

Answer: a. port()

42. Which of these class is necessary to implement datagrams? DNYANSAGAR ARTS AND COMMERCE COLLEGE, BALEWADI,PUNE – 45 PROF . SUPRIYA MANE www.dacc.edu.in
- a. datagrampacket
 - b. datagramsocket
 - c. all of the mentioned
 - d. none of the mentioned

Answer: c. all of the mentioned

43. Which of these method of DatagramPacket is used to find the port number?
- a. port()
 - b. getport()
 - c. findport()
 - d. recieveport()

Answer: a. port()

44. Which of these method of DatagramPacket is used to obtain the byte array of data contained in a datagram?
- a. getdata()
 - b. getbytes()
 - c. getarray()
 - d. recievebytes()

Answer: a. getdata()

45. Which of these method of DatagramPacket is used to find the length of byte array?
- a. getnumber()
 - b. length()
 - c. length()
 - d. getlength()

Answer: d. getlength()

46. Which of these method is used to start a server thread?
- a. run()
 - b. start()
 - c. runthread()
 - d. startthread()

Answer: a. run()

47. Which of these method is called when http daemon is acting like a normal web server?
- a. handle()
 - b. handleget()
 - c. handleget()

d. handleget()

Answer: c. handleget()

48. Which of these methods of httpd class is used to read data from the stream?

- a. getdta()
- b. getresponse()
- c. getstream()
- d. getrawrequest()

Answer: d. getrawrequest()

49. Which of these method of httpd class is used to get report on each hit to HTTP server?

- a. log()
- b. logentry()
- c. loghttpd()
- d. logresponse()

Answer: b. logentry()

50. Which of these method is used to find a URL from the cache of httpd?

- a. findfromcache()
- b. findfromcache()
- c. servefromcache()
- d. getfromcache()

Answer: c. servefromcache()

51. Which of these variables stores the number of hits that are successfully served out of cache?

- a. hits
- b. hitstocache
- c. hits_to_cache
- d. hits.to.cache

Answer: d. hits.to.cache

52. Which of these method of httpd class is used to write UrlCacheEntry object into local disk?

- a. writediskcache()
- b. writetodisk()
- c. writecache()
- d. writediskentry()

Answer: a. writediskcache()

53. Which of these is an instance variable of class httpd?

- a. port
- b. cache
- c. log
- d. all of the mentioned

Answer: d. all of the mentioned

54. Which of these is an instance variable of httpd that is a Hashtable?

- a. port
- b. cache

- c. log
- d. stopflag

Answer: c. log

55. Which of these exception is thrown by URL class's constructors?
- a. urlnotfound
 - b. urlourcenotfound
 - c. malformedurlexception
 - d. urlnotfoundexception

Answer: c. malformedurlexception

56. Which of these methods is used to know host of an URL?
- a. host()
 - b. gethost()
 - c. gethost()
 - d. gethost()

Answer: b. gethost()

57. Which of these methods is used to know the full URL of an URL object?
- a. fullhost()
 - b. gethost()
 - c. externalform()
 - d. toexternalform()

Answer: d. toexternalform()

58. Which of these class is used to access actual bits or content information of a URL?
- a. url
 - b. urldecoder
 - c. urlconnection
 - d. all of the mentioned

Answer: d. all of the mentioned

59. Which object of HttpSession can be used to view and manipulate information about a session?
- a. session identifier
 - b. creation time
 - c. last accessed time
 - d. all mentioned above

Answer: d. all mentioned above

60. Which of these ways used to communicate from an applet to servlet?
- a. rmi communication
 - b. http communication
 - c. socket communication
 - d. all mentioned above

Answer: d. all mentioned above

61. Which methods are used to bind the objects on HttpSession instance and get the objects?
- a. setattribute

- b. getattribute
- c. both a & b
- d. none of the above

Answer: c. both a & b

62. Which type of ServletEngine is a server that includes built-in support for servlets?
- a. add-on servletengine
 - b. embedded servletengine
 - c. standalone servletengine
 - d. none of the above

Answer: c. standalone servletengine

63. What type of servlets use these methods doGet(), doPost(),doHead, doDelete(), doTrace()?
- a. genereic servlets
 - b. http servlets
 - c. all of the above
 - d. none of the above

Answer: b. http servlets

64. Which cookie it is valid for single session only and it is removed each time when the user closes the browser?
- a. persistent cookie
 - b. non-persistent cookie
 - c. all the above
 - d. none of the above

Answer: b. non-persistent cookie

65. Which action tags are used in JSP for developing web application with Java Bean?
- a. jsp:usebean
 - b. jsp:setproperty
 - c. jsp:getproperty
 - d. both b & c

Answer: d. both b & c

66. Which technology do we mix our business logic with the presentation logic?
- a. servlet
 - b. jsp
 - c. both a & b
 - d. none of the above

Answer: a. servlet

67. Which tag is used to execute java source code in JSP?
- a. declaration tag
 - b. scriptlet tag
 - c. expression tag
 - d. none of the above

Answer: b. scriptlet tag

68. Which JSP Action tags is used to include the content of another resource, it may be jsp, html or servlet?

- a. jsp:include
- b. jsp:forward
- c. jsp:plugin
- d. jsp:papam

Answer: a. jsp:include

69. In JSP how many ways are there to perform exception handling?

- a. 3
- b. 2
- c. 4
- d. 5

Answer: b. 2

70. In JSP page directive which attribute defines the MIME (Multipurpose Internet Mail Extension) type of the HTTP response?

- a. import
- b. content type
- c. extends
- d. info

Answer: b. content type

71. A JSP page consists of which tags?

- a. html tags
- b. jsp tags
- c. both a & b
- d. none of the above

Answer: c. both a & b

72. What alternatives exist to embedding Java code directly within the HTML markup of your JSP page?

- a. moving the code into your session manager.
- b. moving the code into scriptlets.
- c. moving the code into javabeans and servlets.
- d. moving the code into a transaction manager.

Answer: c. moving the code into javabeans and servlets.

73. What type of scriptlet code is better-suited to being factored forward into a servlet?

- a. code that deals with logic that is common across requests.
- b. code that deals with logic that is vendor specific)
- c. code that deals with logic that relates to database access.
- d. code that deals with logic that relates to client scope.

Answer: a. code that deals with logic that is common across requests.

74. URL encoding is the method of replacing all the spaces and other extra characters into their corresponding Characters?

- a. hex
- b. binary

- c. octal
- d. decimal

Answer: a. hex

75. Which of the scripting of JSP not putting content into service method of the converted servlet?

- a. declarations
- b. scriptlets
- c. expressions
- d. none of the above

Answer: a. declarations

76. What requires less resources?

- a. thread
- b. process
- c. thread and process
- d. neither thread nor process

Answer: a. thread

77. What does not prevent JVM from terminating?

- a. process
- b. daemon thread
- c. user thread
- d. jvm thread

Answer: b. daemon thread

78. What decides thread priority?

- a. process
- b. process scheduler
- c. thread
- d. thread scheduler

Answer: d. thread scheduler

79. What should not be done to avoid deadlock?

- a. avoid using multiple threads
- b. avoid hold several locks at once
- c. execute foreign code while holding a lock
- d. use interruptible locks

Answer: c. execute foreign code while holding a lock

80. What is true about threading?

- a. run() method calls start() method and runs the code
- b. run() method creates new thread
- c. run() method can be called directly without start() method being called
- d. start() method creates new thread and calls code written in run() method

Answer: d. start() method creates new thread and calls code written in run() method

81. Which of the following is a correct constructor for thread?

- a. thread(runnable a, string str)

- b. `thread(int priority)`
- c. `thread(runnable a, int priority)`
- d. `thread(runnable a, threadgroup t)`

Answer: a. `thread(runnable a, string str)`

82. Which of the following will ensure the thread will be in running state?
- a. `yield()`
 - b. `notify()`
 - c. `wait()`
 - d. `thread.killthread()`

Answer: c. `wait()`

83. Which of these are types of multitasking?
- a. process based
 - b. thread based
 - c. process and thread based
 - d. none of the mentioned

Answer: c. process and thread based

84. What will happen if two thread of the same priority are called to be processed simultaneously?
- a. anyone will be executed first lexographically
 - b. both of them will be executed simultaneously
 - c. none of them will be executed
 - d. it is dependent on the operating system

Answer: d. it is dependent on the operating system

85. In a RMI Client Program, what are the exceptions which might have to handled?
- a. `remoteexception`
 - b. `notboundexception`
 - c. `malformedURLException`
 - d. all mentioned above

Answer: d. all mentioned above

86. Which is a one-way communication only between the client and the server and it is not a reliable and there is no confirmation regarding reaching the message to the destination?
- a. `tcp/ip`
 - b. `udp`
 - c. both a & b
 - d. none of the above

Answer: b. `udp`

87. An RMI Server is responsible for,
- a. creating an instance of the remote object
 - b. exporting the remote object
 - c. binding the instance of the remote object to the rmi registry
 - d. all mentioned above

Answer: d. all mentioned above

88. In RMI Distributed object applications need to do?
- a. locate remote objects
 - b. communicate with remote objects
 - c. load class definitions for objects that are passed around
 - d. all mentioned above

Answer: d. all mentioned above

89. In RMI applications which program obtains a remote reference to one or more remote objects on a server and

then invokes methods on them?

- a. server
- b. client
- c. both a & b
- d. none of the above

Answer: b. client

90. Which package is used for Remote Method Invocation (RMI)?

- a. java.lang.rmi
- b. java.lang.reflec
- c. java.applet
- d. java.rmi

Answer: d. java.rmi

91. Java supports RMI, RMI Stands for?

- a. random method invocation
- b. remote memory interface
- c. remote method invocation
- d. random method invocation

Answer: c. remote method invocation

92. Which is built on the top of socket programming?

- a. ejb
- b. rmi
- c. both a & b
- d. none of the above

Answer: b. rmi

93. Which of these package contains classes and interfaces for networking?

- A. java.io
- B. java.util
- C. java.net
- D. javax.swing

Answer: C. java.net

94. In the following URL, identify the protocol identifier? <https://gtu.ac.in:8080/course.php>

- A. http
- B. gtu.ac.in
- C. //gtu.ac.in:80/course.php

D. 8080

Answer: A. http

95. Which of the following protocol follows connection less service?

- A. TCP
- B. TCP/IP
- C. UDP
- D. HTTP

Answer: C. UDP

96. Which of the following statement is NOT true?

- A. TCP is a reliable but slow.
- B. UDP is not reliable but fast.
- C. File Transfer Protocol (FTP) is a standard Internet protocol for transmitting files between computers on the Internet over TCP/IP connections.
- D. In HTTP, all communication between two computers are encrypted

Answer: D. In HTTP, all communication between two computers are encrypted

97. Which of the following statement is TRUE?

- A. With stream sockets there is no need to establish any connection and data flows between the processes are as continuous streams.
- B. Stream sockets are said to provide a connection-less service and UDP protocol is used
- C. Datagram sockets are said to provide a connection-oriented service and TCP protocol is used
- D. With datagram sockets there is no need to establish any connection and data flows between the processes are as packets.

Answer: D. With datagram sockets there is no need to establish any connection and data flows between the processes are as packets.

98. Which of the following method call is valid to obtain the server's host name by invoking an applet?

- A. `getCodeBase().host()`
- B. `getCodeBase().getHost()`
- C. `getCodeBase().hostName()`
- D. `getCodeBase().getHostName()`

Answer: B. `getCodeBase().getHost()`

99. The server listens for a connection request from a client using which of the following statement?

- A. `Socket s = new Socket(ServerName, port);`
- B. `Socket s = serverSocket.accept();`
- C. `Socket s = serverSocket.getSocket();`
- D. `Socket s = new Socket(ServerName);`

Answer: B. `Socket s = serverSocket.accept();`

100. The client requests a connection to a server using which of the following statement?

- A. `Socket s = new Socket(ServerName, port);`
- B. `Socket s = serverSocket.accept();`
- C. `Socket s = serverSocket.getSocket();`
- D. `Socket s = new Socket(ServerName);`

Answer: A. Socket s = new Socket(ServerName, port);

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