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Java Nptel Preparation Questions

1. What is Language processor in java?
2. How many types of comments are there in java?
3. What is JDB?
4. Which is used to find and fix bugs in the java programs?
5. What is the difference between print and println()?
6. What was the initial name of java when it was first developed for embedded systems?
7. Which class is used by passing the predefined object System.in?
8. What is polymorphism?
9. Can we change return type of method in subclass?
10. All the variables of the interface should be?
11. What are the advantages in java programming?
12. What is encapsulation?
13. What is the another name of static field?
14. What are the default packages in java?
15. Is String is a final class?
16. What is Menucontainer a class/ an interface?
17. What is Choice a class / an interface?
18. What is CardLayout a class / an interface?
19. What is CheckBox a class / an interface?
20. What is util in java.util package?
21. What is cloneable a class / an interface?
22. What is custom exception in java?
23. What are the properties of tagged interface?
24. Is StackOverflow an exception?
25. What are checked exceptions?
26. What are unchecked by exceptions?
27. When an array element is accessed betond the array size, then which exception occurs?
28. When does an Exception occur?
29. What are the methods in thread class in java?
30. What is the difference between run() and Start()?
31. Which can be used to create an instance of thread?
32. Which method restarts a dead thread?
33. What are the constructors for a thread object?
34. What are keywords used in Exceptional handling?
35. Which streams containd the classes ehich can work on character stream?
36. What is inputStream and Outputstream?
37. What is FileReader and Filewriter?
38. Which package is used for handling all IO-streams are defined?
39. Explain file.available()?
40. Which method is used to write an array of byte to the current output stream?
41. What are the standard streams?
42. Which of the following method in java.io package help in clearing the contents of the buffer?
43. Which method of RandomAccessFile class reads a line from the file and returns it as a String?
44. What is FileReader a class/ an interface?

45. What is ObjectInput a class/ an interface?
46. What is DataInput a class / an interface?
47. What are Object streams?
48. What are Data streams?
49. Which is used floating point numbers to represent monetary values?
50. Which detects an end-of-file condition by using EOFException, instead of testing for an invalid return value?
51. What is Paint a class/ an interface?
52. What is AWTException?
53. What is FontFormatexception?
54. Write a method of Button class?
55. Which of the following container doesn't contain titlebar and menubar?
56. What is the difference between panel and frame?
57. What is the method used to get the current font of an graphic in java.awt.graphics
58. Which of the following method remove all items from scrolling list in java.awt.list?
59. Explain update() method?
60. Which method is used to sets the color of the graphics context to be the foreground color of this component?
61. Which method calls the paint method to completely redraw the component?
62. Which method is used to clear the components by filling it with the background color?
63. Which method is used to return the size of Component objects?
64. Which class is grouped with radio button can be used as an alternative to JComboBox?
65. What class does JpasswordField extends?
66. Explain JLabel?
67. Explain JTextField?
68. Which class is a parent class of TextArea and TextField ?
69. Explain TextComponent?
70. What are the constants for horizontal alignment?
71. Which class event is used to notify if any key pressed occurs or not?
72. Which Listener interface does not have an Adapter class?
73. Which protocol is used for breaking and sending packets to address across a network?
74. What is DatagramSocket?
75. What is ServerSocket?
76. What is InetAddress class?
77. Which can be used to find the host name and IP address of a client/server?
78. What is Resource name in URL?
79. What are the transport layer protocols?
80. In JDBC, all raw data types should be read and uploaded to the database as an array of?
81. Which method id used to make a database connection?
82. What are the parameters passed in getConncetion()?
83. Explain ResultSet?
84. What is PreparedStatement Object?
85. Explain executeQuery statement?
86. What is executeUpadate statement?
87. Which statement is used for executing a database stored procedure?
88. What is callable statement?
89. The SQL command USE test implies?

90. Which class displays components row-by-row in which they were added to the JFrame?
91. In which interface does comparable interface is present?
92. In which package Iterator interface is present?
93. In which package serializable interface is present?
94. Which method used in comparable interface?
95. Explain get.Name() method?
96. Is ObjectFiter class exists in java?
97. What is FilenameFilter?
98. Which method remove all items from scrolling list in java.awt.list?
99. Which Listener is supported by frame?
100. How many types of controls does AWT support?
101. In which package Socketoptions interface contain?
102. What is the acronym of URL?
103. What are the application layer protocols?
104. Explain this keyword?
105. Which package stores all the standard java classes? // java
106. When does method overloading is determined? // execution time
107. Which method recovers a thread from deadlock and begin execution?
108. Why thread constructor with the stackSize parameter is platform dependent?
109. Which method return a reference to the currently executing thread object?
110. Which method can be used to reduce over-utilization of CPU?
111. Wrote some interfaces in javax.seing package?
112. Which of the following interfaces is used to manage transactions in JDBC?
113. Which of the following interfaces is used to execute parameterized SQL statements in JDBC?
114. Which method is used to execute a SELECT statement?
115. Which method is used to execute a DELETE, INSERT and UPDATE statement?
116. What PreparedStatement interface do in JDBC?
117. What are Batch updates in JDBC?
118. Which type of driver translates calls into native database API calls?// type 2
119. Which method is static and synchronized in JDBC API? // getConnection()
120. Which component is responsible for managing a connection to the database?// driver manager
121. Which interface is used to execute a parametrized SQL statements in JDBC?
122. Which Exception is commonly thrown when there is a failure in JDBC database connectivity? // SQlException
123. What is a JDBC driver in the context of database connectivity?
124. Which method is used to execute a batch of SQL statememnts in JDBC? // executeBatch()
125. Which method is used to move the cursor to the next row in a ResultSet? // next()
126. Which type of JDBC driver is also known as the Thin driver? // type 4 driver
127. Which type of JDBC driver is a pure java driver that communicates with the database using a middleware server? // type 3 driver
128. Which class is used to implement simple SQL statements with no parameters?
129. Which class is used for pre-compiling SQL statements that might contain input parameters?

130. Which class is used to execute stored procedures that may contain both input and output parameters?
131. Which statement specifies columns to include in the result set?
132. Which of the following displays components row-by-row in the order in which they were added to the JFrame? // Flowlayout
133. Is HTML file is always requires to execute an applet?
134. Which method is used to get the size of the applet?
135. What is showStatus() method?
136. Is applet the only way to create GUI?
137. What is AWT?
138. Which package Graphics class is defined?
139. What is the difference between applet and AWT?
140. Explain Canvas class in AWT?

Which of the following method is static and synchronized in JDBC API?

    a. getConnection( )
    b. prepareCall( )
    c. executeUpdate( )
    d. executeQuery( )

141.
   //a

Which type of JDBC driver translates JDBC calls into native database API calls?

    a. Type 1 driver
    b. Type 2 driver
    c. Type 3 driver
    d. Type 4 driver

142.
   //b

```java
import java.sql.*;
class InsertPrepared{
    public static void main(String args[]){
        try{
            Class.forName("com.mysql.jdbc.Driver");
            Connection con=DriverManager.getConnection(
                "jdbc:mysql://localhost/database","Java","july");
            PreparedStatement stmt=con.prepareStatement("INSERT INTO
table VALUES(?,?)");
            stmt.setString(1,"one");
            stmt.setString(2,"two");
            stmt.executeUpdate();
            con.close();
        }
        catch(Exception e){
            System.out.println(e);
        }
    }
```

143.
   // one and two are in diffenent columns – output

Which of the following statements is true about batch updates in JDBC?

   a. Batch updates can only be used for INSERT statements.
   b. Batch updates allow multiple SQL statements to be executed in a single transaction.
   c. Batch updates are executed immediately as soon as they are added to the batch.
   d. Batch updates can be rolled back.

144.
   //b,d

Which of the following statements is true about the PreparedStatement interface in JDBC?

   a. PreparedStatement objects are precompiled before they are executed.
   b. PreparedStatement objects can only be used for SELECT statements.
   c. PreparedStatement objects cannot accept parameters at runtime.
   d. PreparedStatement objects can be reused for multiple SQL statements.

145.
   //a,d

Which of the following interfaces is used to execute parameterized SQL statements in JDBC?

   a. ResultSet
   b. PreparedStatement
   c. Statement
   d. Connection

146.
   //b

Which of the following interfaces is used to manage transactions in JDBC?

a. Connection
b. Statement
c. Transaction
d. ResultSet

147.
//a

Which one of the following is a class in package java.sql?

a. Timestamp
b. Driver
c. Connection
d. ResultSet

148.
//a

How do you know in your Java program that a SQL warning is generated as a result of executing a SQL statement in the database?

a. You must catch the checked SQLException which is thrown by the method which executes the statement.
b. You must catch the unchecked SQLWarningException which is thrown by the method which executes the statement.
c. You must invoke the getWarnings() method on the Statement object (or a sub interface thereof).
d. You must query the ResultSet object about possible warnings generated by the database.

149.
//c

The SQL command "USE test" implies, which of the following?

a. List all the databases those are there in the database server.
b. List all the tables those are there under the database.
c. Create a table called test.
d. Set test as the current working database, so that any SQL command bind to the test database only.

150.
//d

Once a JDBC driver has been registered, which of the following method is used to make a database connection?

a. getConnection(String url, String userID, String password)
b. setConnection(String url, String userID, String password)
c. Connect(String url, String userID, String password)
d. Any one of the above.

151.
//a

Which of the following statement(s) is/are true, when the return value for executeUpdate is 0 ?

   a. The statement executed was an update statement that affected zero rows.
   b. The statement executed was a DDL statement.
   c. The statement executed was an update statement that affected one row.
   d. The statement executed was a DCL statement.

152.
   //a,b

As with Statement objects, to execute a PreparedStatement object, it need to be call an execute statement.Which of the following statement(s) is/are true regarding this?

   a. executeQuery: if the query returns only one ResultSet (such as a SELECT SQL statement).
   b. executeUpdate : if the query does not return a ResultSet (such as an UPDATE SQL statement).
   c. execute : if the query might return more than one ResultSet object.
   d. executupdateQuery : if the query does return a ResultSet (such as an UPDATE SQL statement).

153.
   //a,b,c

Which of the following statement(s) is/are true?

   a. The default ResultSet type is TYPE_FORWARD_ONLY.
   b. The default ResultSet type is TYPE_SCROLL_SENSITIVE.
   c. The default ResultSet type is TYPE_SCROLL_INSENSITIVE.
   d. The default ResultSet type is CONCUR_READ_ONLY.

154.
   //a

Which of the following statement(s) is/are TRUE?

   a. Statement: Used to implement simple SQL statements with no parameters.
   b. PreparedStatement: Used for pre-compiling SQL statements that might contain input parameters.
   c. CallableStatement: Used to execute stored procedures that may contain both input and output parameters.
   d. The SELECT statement specifies which columns to include in the result set.

155.
   //all

Which one of the following SQL type represent getfloat()?

   a. FLOAT
   b. REAL
   c. INTEGER
   d. DOUBLE

156.
   //b

Which of the following is a JDBC class component?

   a. Connection

   b. ResultSet

   c. Statement

   d. Driver

157.   //b

Which type of JDBC driver is a pure Java driver that communicates with the database using a middleware server?

   a. Type 1 driver

   b. Type 2 driver

   c. Type 3 driver

   d. Type 4 driver

158.
   //c

Which method is used to move the cursor to the next row in a ResultSet?

   a. nextRow( )

   b. next( )

   c. moveNext( )

   d. moveRow( )

159.
   //b

Which method is used to execute a batch of SQL statements in JDBC?

   a. executeBatch( )

   b. executeUpdateBatch( )

   c. executeBatchUpdate( )

   d. executeUpdate( )

160.
   //a

Which exception is commonly thrown when there is a failure in JDBC database connectivity?

   a. FileNotFoundException

   b. NullPointerException

   c. SQLException

   d. ClassNotFoundException

161.
   //c

In JDBC, which component is responsible for managing a connection to the database?

   a. DriverManager

   b. Connection

   c. Statement

   d. ResultSet

162.
   //a

Which of the following best describes about JDBC?

a. JDBC works like a bridge connecting a Java application to a RDBMS, execute SQL commands and return results to the application.
b. JDBC is a software component, which is both network and database independent.
c. JDBC should be installed in the same machine from where the Java application will run.
d. JDBC should be installed in the same server that of the database.

163.
  //a

Which of the following statement(s) is/are true?

a. isLoopback(): it indicates if the network interface is a loopback interface.
b. isPointToPoint(): it indicates if the networkinterface is a point-to-point interface.
c. isVirtual(): it indicates if the network interface is a virtual interface.
d. isUP() : it indicates the network interface is running.

164.
  //all

Which of these is a protocol for breaking and sending packets to an address across a network?

a. TCP/IP
b. DNS
c. Socket
d. Proxy Server

165.
  //a

In the socket programming, for an IP address, which can be used to find the host name and IP address of a client/ server?

a. The ServerSocket class
b. The Socket class
c. The InetAddress class
d. The Connection interface

166.
  //c

Which of the following statement(s) is(are) 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.

167.
  //d

In the following, which are the protocol follows connection oriented service?

a. TCP
b. Internet Control Message Protocol
c. UDP
d. Internet Protocol (IP)

168.
   //a

```java
import java.net.*;
import java.io.*;

public class Question {
    public static void main(String[] args) throws Exception {

        URL aURL = new URL("http://nptel.com:80/docs/java/tutorial"
                            +index.html?name=networking#connection");

        System.out.println("query = " + aURL.getQuery());
        System.out.println("ref = " + aURL.getRef());
    }
}
```

Which of the following is/are valid output(s) from the above program?

a. query = name=networking
b. query = name=networking#connection
c. ref=connection
d. ref=/docs/java/tutorial/index.html?name=networking

169.
   //a,c

```
import java.net.*;
import java.io.*;

public class Question {
    public static void main(String[] args) throws Exception {

        URL aURL = new URL("http://nptel.com:80/docs/java/tutorial"
                                    +index.html?name=networking#connection");

        System.out.println("authority = " + aURL.getAuthority());
        System.out.println("host = " + aURL.getHost());

    }
}
```

Which of the following is/are valid output(s) from the above program?

a. authority = nptel.com:80
b. host = nptel.com
c. authority = nptel.com
d. host = nptel.com:80

170.
    //a,b

Which of the following is/are application layer protocol(s)?

a. TCP
b. UDP
c. HTTP
d. FTP

171.
    //c,d

Which of the following is/are interface(s) present in java.net package?

a. InetAddress
b. URLConnection
c. SocketOptions
d. HttpURLConnection

172.
    //c

Which of the following statement(s) is/are true?

a. DatagramSocket is a UDP endpoint API .
b. DatagramSocket is a TCP server API .
c. ServerSocket is a TCP server API.
d. ServerSocket is a TCP client API.

173.   //a,c

Which of the following statement(s) is(are) NOT true?

a. TCP is not reliable .
b. UDP is not reliable.
c. TCP is fast and UDP is slow.
d. In HTTPS, all communication between two computers are encrypted.

174.
   //a,c

```
Connection con = DriverManager.getConnection
("jdbc:mysql://localhost:3306/nptel","joy","java");
```

Which of the following statement(s) is/are true?

a. 3306 is the default MySQL port.
b. Database name is 'nptel'
c. The database server is hosted on IP 127.0.0.1
d. Password for user 'java' is 'joy'

175.

What is true about IP:PORT in the following options?

a. Port number 21 is the default FTP port.
b. Only port number is required for FTP connections and no IP is required.
c. 127.0.0.1 and localhost are same.
d. There is no concept of PORT in IPv6.

176.
   //a,c

Which of the following statement(s) is/are true?

a. Addresses belongs to a Low-Level API.

b. Sockets belong to High-Level API.

c. URIs and URLs are Low-Level API.

d. Interfaces are High-Level API.

177.
//a

Which of the following is/are interface(s) present in java.net package?

a. InterfaceAddress
b. FileNameMap
c. DatagramPacket
d. DatagramSocket

178.
//b

Which of the following statement(s) is/are true?

a. DatagramSocket implements Object.

b. DatagramSocket implements Closeable.

c. DatagramSocket extends Object.

d. DatagramSocket extends Closeable.

e. DatagramSocket extends Object implements Closeable

179.
//e

Which of the following statement(s) is(are) true?

a. TCP is not reliable.
b. UDP is not reliable.
c. TCP is fast and UDP is slow.
d. In HTTPS, all communication between two computers are encrypted.

180.
//b,d

Which of the following is/are interface(s) in javax.swing package?

    a. MenuElement
    b. BoxLayout
    c. JComponent
    d. Scrollable

181.
    //a,d

Which of the following Listener(s) is/are supported by button (Swing component)?

    a. ActionListener
    b. ChangeListener
    c. ItemListener
    d. WindowListener

182.
    //a,b,c

Which of the following is/ are not related with keyboard event?

    a. ClassKeyEvent is used to notify if any key pressed occurs or not.
    b. The KeyListener should be added either in init() or the main method.
    c. RequestFocus should be added either in init() or the main method.
    d. The class InputEvent should be imported explicitly in the program.

183.
    //d

In JLabel(Icon, int) method/constructor, the int argument specifies the horizontal alignment of the label's contents within its drawing area.

Which of the following is/are not a valid constants for horizontal alignment?

    a. RIGHT
    b. LEADING
    c. TRAILING
    d. TOP

184.
    //d

Select the correct statement(s) in the following.

    a. JTextField cannot be used as an alternative toJLabel.
    b. JLabel cannot be used as an alternative toJTextField.
    c. Button grouped radio button can be used as an alternative toJComboBox.
    d. The class JPasswordField extends the classJLabel.

185.
    //b,c

Which of the following Listener Interface has an Adapter Class?

a. ActionListener
b. ChangeListener
c. ComponentListener
d. ItemListener

186.
//c

Which of the following are valid "Method or Constructor" in Setting or Obtaining the Field's Contents?

a. JTextField()
b. JTextField(String)
c. JTextField(String, int)
d. JTextField(int)

187.
//all

In JLabel(Icon, int) method/constructor, the int argument specifies the horizontal alignment of the label's contents within its drawing area.

Which of the following is/are valid constants for horizontal alignment?

a. CENTER
b. LEADING
c. TRAILING
d. LEFT

188.
//all

How many types of controls does AWT support?

a. 17
b. 6
c. 7
d. 8

189.   //c

Which of the following Listener(s) is/are not supported by frame (Swing component)?

a. ActionListener
b. ChangeListener
c. ItemListener
d. WindowListener

190.
//a,b,c

Which of the following is/are interface(s) in javax.swing package?

a. CellEditor
b. Action
c. Box
d. Scrollable

191.
   //a,b,d

Select the correct statement(s) in the following.

a. JTextField cannot be used as an alternative to JLabel.
b. JLabel cannot be used as an alternative to JTextField.
c. Button grouped radio button can be used as an alternative to JComboBox.
d. The class JPasswordField extends the class JLabel.

192.
   //b,c

Which of the following is/are **interface(s)** of **java.awt package?**

a. Button
b. Choice
c. Dialog
d. Paint

193.
   //d

Which of the following is/are incorrect **regarding events in Java?**

a. *EventClass* is super class of all the events.
b. *AdjustmentEvent* will be notified if scroll bar is manipulated.
c. All the classes and methods required for even handling in Java is in *java.awt* package.
d. *getID()* method can be used to determine the type of event.

194.
   //a

Which of the following statement(s) is/are false?

a. Swing component **frame** support Window Listner.
b. Swing component **combo box** support Window Listner.
c. Swing component **check box** support Window Listner.
d. Swing component **dialog** support Window Listner.

195.
   //b,c

When a component is added or removed, which of the following events is generated?

    a. ComponentEvent
    b. ContainerEvent
    c. FocusEvent
    d. InputEvent

196.
    //b

A class which implements the ActionListener interface, also it must implement which of the following methods?

    a. void handle(ActionEvent e)
    b. void actionPerformed(ActionEvent e)
    c. void eventDispatched(AWTEvent e)
    d. String getActionCommand(ActionEvent e)

197.
    //b

Event class is defined in which of the following libraries?

    a. java.io
    b. java.lang
    c. java.net
    d. java.util

198.
    //d

Which of the following event is occurred when a button is pressed, a list item is double-clicked or a menu item is selected?

    a. AdjustmentEvent
    b. ActionEvent
    c. ContainerEvent
    d. ComponentEvent

199.
    //b

Which of the following classes is used to display a message dialog in Java Swing?

    a. JOptionPane
    b. JDialog
    c. JMessageDialog
    d. JFrame

200.
    //a

Which of the following is/are correct regarding events in Java?

    a. *EventObject* is super class of all the events.
    b. *AdjustmentEvent* will be notified if scroll bar is manipulated.
    c. All the classes and methods required for even handling in Java is in *java.io* package.
    d. *getID( )* method can be used to determine the name of an event.

201.
    //a,b

Which of the following Swing components inherently support the WindowListener interface?

   a. Swing frames (JFrame)
   b. Swing checkboxes (JCheckBox)
   c. Swing dialogs (JDialog)
   d. Swing combo boxes (JComboBox)

202. **Correct Answer: a, c**

Which event listener interface is commonly used to handle user actions like button clicks in Swing?

   a. ActionListener
   b. MouseListener
   c. KeyListener
   d. WindowListener

203.
   //a

What is/are the way(s) to create a Frame in Java Swing?

   a. By creating the object of Frame class (association)
   b. By extending Frame class (inheritance)
   c. By importing a package named JFrame
   d. By declaring a class with name JFrame   //a,b

204. **Which of the following(s) is/are interface(s) of java.awt package?**

   a. Button
   b. Paint
   c. Dialog
   d. Shape

205.
   ///b,d

Which AWT layout manager is often used to create a responsive grid of components that automatically adjusts to the container's size?

   a. BorderLayout
   b. GridLayout
   c. GridBagLayout
   d. BoxLayout

206.
   //b

Which Swing component is used for allowing users to select files and directories from the file system?

   a. JFileChooser
   b. JFileSelector
   c. JFilePicker
   d. JFileDialog

207.
   //a

Which of the following is/are valid alignment option(s) for components in a FlowLayout?

    a. LEFT
    b. TOP
    c. BOTTOM
    d. LEADING

208.
    //a,d

Which of the following statement(s) is/are NOT true?

    a. An applet can extend the java.applet.Applet class or the java.swing.JApplet class.
    b. The java.applet.Applet class extends the java.awt.Panel class and enables you to use the GUI tools in the AWT package.
    c. The java.swing.JApplet class is a subclass of java.applet.Applet that also enables you to use the Swing GUI tools.
    d. An applet can make network connections to any host on the Internet

209.
    //d

Which of the following statement is true about the update() in java.awt package?

    a. Sets the color of the graphics context to be the foreground color of this component.
    b. Calls this component's paint method to completely redraw this component.
    c. Clears this component by filling it with the background color.
    d. All of these.

210.
    //d

Which of the following method remove all items from scrolling list in java.awt.list?

    a. hide()
    b. clear()
    c. remove()
    d. None

211.
    //b

If setText(String text) is a method of Label class, then why it is called non editable?

    a. Because user-input is unavailable during runtime.
    b. A Label is just a TextField with non-editable property turned on.
    c. Labels are editable by default.
    d. setText(String text) is not a method of Label class.

212.
    //a

Which of the following is NOT a class of java.awt package?

    a. Color
    b. Composite
    c. Container
    d. Cursor

213.
    //b

Which of the following interface(s) is/are member(s) of `java.io` package?

    a. FileFilter
    b. ObjectInput
    c. Runnable
    d. Flushable

214.
    a,b,d

Which of the following syntax(s) is/are valid?

    a. *.abc – Matches all strings that end in .abc.
    b. ??? – Matches all strings with exactly three letters or digits.
    c. *[0-9]* – Matches all strings containing 0 or 9 only.
    d. b?*.doc – Matches any string beginning with b, followed by at least one letter or digit, and ending with .doc

215.
    //a,b,d

Which of the following statement(s) is/are true for RandomAccessFile object?

    a. It can allow to open a file both in read and write mode.
    b. It can allow to store the data fields of any object and then reading the same.
    c. The seek(0) method of the object place the file pointer at the beginning of the file.
    d. It cannot be used to read a network line.

216.
    //a,b,c

Which of the following statement(s) is/are true?

    a. DataStreams detects an end-of-file condition by using EOFException, instead of testing for an invalid return value.
    b. DataStreams uses floating point numbers to represent monetary values.
    c. Data streams support I/O of primitive data types.
    d. Object streams support I/O of objects.

217.
    a,b,c,d

Which of the following statements is/ are true?

a. While you are creating an instance of File class, and if you do not use the file naming according to the convention of the local machine, the constructor will throw an exception of class `IOException`.

b. A File object can be opened for both reading and writing simultaneously.

c. When you create an object of Fileclass for writing, if the corresponding file does not exist on the local file system, then it will be created.

d. Closing operation of a File object never faces any run-time error and hence need not to be placed under try-catch block.

218.
　//a,c,d

Which of the following statement(s) is/are false?

a. In unbuffered I/O, each read or write request is handled directly by the underlying OS.

b. Buffered input streams read data from a memory area known as a buffer; the native input API is called only when the buffer is empty.

c. Buffered output streams write data to a buffer, and the native output API is called only when the buffer is full.

d. In buffered I/O scheme, each read or write request often triggers disk access, network activity.

219.
　//d

Which of the following classes can be used to implement the input stream that uses a character array as the source?

a. BufferedReader

b. FileReader

c. CharArrayReader

d. FileArrayReader

220.
　//c

c.
```
File file = new File("../file.txt");
FileWriter fileWriter = new FileWriter(file);
BufferedWriter bufferedOutputWriter = new BufferedWriter(fileWriter);
```

221.

Which of the following statement(s) is/are true?

a. The default delimiters for a Scanner object are the white space characters.
b. The Scanner class has instance methods for reading each of the Java primitive types except char.
c. The Scanner methods do not throw any checked exceptions.
d. The Scanner class can be found in the java.util package.

222.
/all
223.