

## SECTION 01

1. What is the correct definition of the frame in java.awt package?

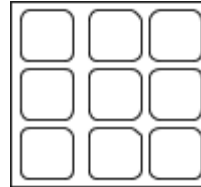
- a. JFrame
- b. CFrame
- c. **Frame**
- d. frame

2. What is the suitable method to visible a Frame in java?

- a. Show();
- b. View();
- c. Visible(true);
- d. **setVisible(true);**

3. What is the suitable layout to get given design?

- a. BorderLayout
- b. BoxLayout
- c. **GridLayout**
- d. GroupLayout



4. What is the correct method to add an action listener to a Button?

- a. addListener
- b. setListener
- c. **addActionListener**
- d. setActionListener

5. What is the correct method to set a text to a Textfield?

- a. addText();
- b. add();
- c. setText();
- d. **setText();**

6. What is the correct method declaration?

- a. ActionPerformed(ActionEvent e){}
- b. **void actionPerformed(ActionEvent e){}**
- c. ActionPerformed(ActionEvent e){}
- d. void ActionPerformed(ActionEvent e){}

7. How to convert given String value to double value?  
String s = 54;

- a. double d = s;
- b. double d = (double)s;
- c. double d = parseDouble(s);
- d. **double d = Double.parseDouble(s);**

8. What are the steps to close JFrame without closing other jFrames?

- a. Project>properties> Close
- b. Project>Properties>defaultCloseOperation>EXIT\_ON\_CLOSE
- c. **Navigator>Properties>defaultCloseOperation>DISPOSE**

d. Navigator>Properties>defaultCloseOperation>EXIT\_ON\_CLOSE

9. Correct way to create JPanel object is.

- a. Panel.show();
- b. new Panel();
- c. `JPanel p = new JPanel();`
- d. Panel p;

10. What are the steps to remove background of a JButton?

- a. Properties>background>none
- b. Properties>contentAreaFilled>unchecked
- c. Properties>Transparent
- d. Properties>Transparent>None

11. How to get the text in JtextField?

- a. getLetters();
- b. `getText();`
- c. printText();
- d. getchar();

12. What are the steps to group JradioButtons?

- a. Properties>Group
- b. Properties>buttonGroup
- c. Properties>Button>Group
- d. Properties>groupAll

13. What is the method to identify that JCheckBox is select?

- a. Select();
- b. isSelect();
- c. `isSelected();`
- d. selected();

14. What is the correct JDBC Driver declaration?

- a. Com.mysql.jdbc.driver
- b. Jdbc.com.mysql.Driver
- c. com.mysql.jbdc.driver
- d. `com.mysql.jdbc.Driver`

15. Correct JDBC protocol is

- a. `jdbc:mysql://`
- b. mysql:jdbc://
- c. com.mysql://
- d. mysql.com://

16. What is the correct method to get data from database?

- a. execute
- b. update
- c. excuteUpdate
- d. `executeQuery`

17. To collect data from database into java program what kind of container should you use?

- a. Vector
- b. Array
- c. ArrayList
- d. Resultset

18. Select the suitable method to fill following code fragment.

```
ResultSet rs = DB.getCon().CreateStatement().executeQuery();
```

```
While (_____) {  
  
}
```

- a. next();
- b. first();
- c. rs.first();
- d. rs.next();

19. Select the suitable method to fill following code fragment.

```
ResultSet rs = DB.getCon().CreateStatement().executeQuery();
```

```
if(_____) {  
  
}
```

- a. next();
- b. first();
- c. rs.next();
- d. rs.first();

20. What is the correct method to count the number of rows in jTable?

- a. rowCount()
- b. count()
- c. getRowCount()
- d. getCount()

21. What is the correct method to remove all rows in jTable?

- a. Clear();
- b. ClearAll();
- c. Remove All();
- d. setRowCout(0);

22. What is the correct method to get data in specific cell of jTable?

- a. getData();
- b. getValue();
- c. getValueAt();

d. valueAt();

23. What is the correct method to remove row from jTable?

- a. Remove();
- b. Delete();
- c. removeRow();
- d. RemoveRow();

24. What is the correct method to add a vector to jList?

- a. add();
- b. addData();
- c. setData();
- d. setListData();

25. What is the correct method to get selected data of jList?

- a. getSelected();
- b. getSelectedItem();
- c. getSelectedValue();
- d. getValue();

26. What is the correct method to get selected data of JComboBox?

- a. getSelected();
- b. getSelectedItem();
- c. getSelectedValue();
- d. getValue();

next26. What is the correct method to get selected data of JLabel?  
**getText();**

27. Consider the following code ;

```
private void jTextField1KeyTyped(java.awt.event.KeyEvent evt) {  
  
    char c = evt.getKeyChar();  
  
    if(c=='a'){  
  
        evt.consume();  
  
    }  
  
}
```



Which is the result of attempting to compile and run the above netbeans event ?

- a. Print : consume
- b. Print: null
- c. Cant type 'a' in the text field
- d. Can't type any character
- e. None of the above

28. which is not the correct answer below mentioned code fragment?

```
private void jTextField1KeyTyped(java.awt.event.KeyEvent evt) {
```

```

char c = evt.getKeyChar();

if((c>='0' && c<='9')){

    evt.consume();

}

}

```



- a. If c is 'a', event is consumed
- b. If c is '8', event is consumed**
- c. If c is '&', event is consumed
- d. If c is 'b', event is consumed

29. private void jTextField1KeyTyped(java.awt.event.KeyEvent evt) {

```

char c = evt.getKeyChar();

if(c == evt.VK_PERIOD){

    evt.consume();

}

}

```

What action consumes the event?

- a. Pressing Letter 'a'
- b. Pressing Symbol '#'
- c. Pressing Symbol '['
- d. Pressing Symbol '.'**

30. private void jTextField1KeyTyped(java.awt.event.KeyEvent evt) {

```

char c = evt.getKeyChar();

if (Character.isDigit(c)){

    evt.consume();

}

}

```

What makes this event to be stopped?

- a. If c is '2' event is stopped**
- b. If c is 's' event is stopped
- c. If c is '#' event is stopped
- d. If c is 'A' event is stopped

31. Correct answer is for the following blanks is

```

..... -u [.....] -p[.....] [dbname] > [backupfile.sql]

```

- a. mysqld, root, 123
- b. mysqld, 123, root
- c. mysqldump, root, 123**
- d. musqldump, 123, root

32. Which method will execute when mouse is over the JButton?

- a. mouseOver()
- b. **mouseenter()**
- c. mouseClicked()
- d. mousePressed()

Considers the following statements are true or false inside the bracket. (Question 33 -35)

33. You can create your jasper source file in any language(**false**)
34. Main problem in jasper report doesn't support for any Unicode's. ( **false** )
35. JasperFillManager fills the data which is passed from various data sources.( **true** )
36. Sub reports are allowing the creation of more complex reports and simplify the design work ( **true** )
37. What are the main classes in log4j frame work? (Choose three)

- a. **Logger**
- b. LogHandler
- c. FileOutPut
- d. **Appender**
- e. LogFormat
- f. **Layout**



38. Which class formats the log output as a HTML page?

- a. HTMLFormatter
- b. HTMLLogOutput
- c. WebFormatter
- d. **HTMLLayout**
- e. WebLayout

39. We can't make EXE file for

- a. GUI
- b. Service
- c. Console Application
- d. **Image File**

40. Which of this not a logger Level?

- a. Debug
- b. Info
- c. Warn
- d. Error
- e. **Exception**

|    |         |
|----|---------|
| 32 | (b)     |
| 33 | (false) |
| 34 | (true)  |
| 35 | (true)  |

|    |         |
|----|---------|
| 36 | (true)  |
| 37 | (a,d,f) |
| 38 | (d)     |
| 39 | (d)     |
| 40 | (e)     |

## SECTION B

1. Write a correct JDBC connectivity code using given details

- a. Host name : localhost
- b. Port No : 3307
- c. Database Name : MyDB
- d. Username : root
- e. Password : 1234

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2. Write a code fragment to remove selected row from JTable named JTable1.

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3. What is JRXML?

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4. How to compile a report? (Write down code fragment)

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## SECTION C

1. What is the difference between following two types in Software Finalizing?

1.1 Regular Mode -

.....

.....

.....

.....

1.2. JAR in exe Mode -

.....

.....

.....

.....

## SECTION A

| Question No | Correct Answer | Answer Description   |
|-------------|----------------|--|
| 1           | (c)            | In java.awt package frame is in a class called Frame. Therefore, the answer is Frame.  |
| 2           | (d)            | Both 'show()' and 'setVisible(true)' methods can be used to make a frame visible. But 'show()' method is deprecated from JDK 1.5. Because of that 'setVisible()' is the ideal method for that. |
| 3           | (c)            | The given image shows a view of a gridlayout. In gridlayout rows and columns can be defined to create cells to include components in.  |
| 4           | (c)            | The correct method to add an actionlistener to a Button is calling 'addActionListner()' method.  |
| 5           | (d)            | The correct method to set a text to a Textfield is using 'setText()' method. Other methods contain wrong spellings.  |
| 6           | (b)            | From all 4 answers, only 'void actionPerformed(ActionEvent e){}' has the correct method signature.   |
| 7           | (d)            | The parseDouble()' method is used to convert strings to double and that is a static method in Double wrapper class   |
| 8           | (c)            | Only 'DISPOSE' property in defaultCloseOperation can make a frame close without closing other frames.  |
| 9           | (c)            | Creating a JPanel means creating an instance of JPanel class. It is done by creating an object of JPanel class.  |



|    |         |  |
|----|---------|--|
| 10 | (b)     | Only 'contentAreaFilled' property in JButton can remove background.  |
| 11 | (b)     | 'getText()' method can retrieve text from a JTextField.  |
| 12 | (b)     | 'ButtonGroup' property can group them by selecting the group for the JRadioButton  |
| 13 | (c)     | 'isSelected()' method checks whether a jcheckbox is selected.  |
| 14 | (d)     | The correct declaration of JDBC driver is com.mysql.jdbc.Driver. (Spellings, uppercase and lowercase must be correct)  |
| 15 | (a)     | jdbc:mysql:// is the correct protocol defined by the jdk.  |
| 16 | (d)     | Only 'executeQuery()' method returns a ResultSet. There is no way to retrieve data without a ResultSet.  |
| 17 | (d)     | 'executeQuery()' method returns a ResultSet object. Accordingly the direct container of results from a database is a ResultSet.  |
| 18 | (d)     | Inside a while loop using 'first()' method of a resultset is useless because only the first result is retrieved. Accordingly the correct answer should be rs.next()                      |
| 19 | (d)     | Inside an if block using 'next()' method is useless as it cannot read the resultset again and again. Most suitable answer is (d)   |
| 20 | (c)     | 'getRowCount()' is the method used to count the number of rows in a jtable. Other methods do not exist.  |
| 21 | (d)     | 'setRowCount()' method can remove all rows of a jtable. These other methods don't do that.   |
| 22 | (c)     | only 'getValueAt()' method can point to a specific cell in a jtable  |
| 23 | (c)     | Method name is incorrect in other methods.   |
| 24 | (d)     | Only 'setListData()' method can set a vector as the data set of a Jlist.   |
| 25 | (c)     | Only 'getSelectedValue()' method exists from answers.  |
| 26 | (b)     | Only 'getSelectedItem()' method exists from answers.   |
| 27 | (c)     | If key 'a' is pressed in that textfield, letter 'a' is not typed. that's because this event checks the letter that is typed in this textfield and event is stopped if the letter is 'a'. |
| 28 | (b)     | This event checks whether the typed key is a number or a character between 0 and 9 and if it is not the event is stopped.  |
| 29 | (d)     | 'evt.VK_PERIOD' is equal to .(dot). Accordingly if key containing dot(.) is pressed event is stopped.  |
| 30 | (a)     | This event checks whether the key that is pressed is a numeric key / a number. if it is a number the event is stopped.   |
| 31 | (c)     | The answer for the first blank is 'mysqldump'. -u means the username for the mysql server and -p means password for that username.   |
| 32 | (b)     | 'mouseEntered()' event is fired when the mouse is over the jbutton. No 'mouseOver()' event is in java  |
| 33 | (false) | It must be created with xml, because the jasper report engine is created to read xml and create jasper files.  |
| 34 | (true)  | it is described in the documentation of jasper reports that it can create jasper reports in unicodes   |
| 35 | (true)  | JasperFillManager does the data filling. Any data source within the API can be used to fill data.  |

|    |         |  |
|----|---------|--|
| 36 | (true)  | Sub reports are created outside the main report and because of that it simplifies the report. Because of that it is able to create more complex reports. |
| 37 | (a,d,f) | These are the main classes in log4j framework. Other classes does not exists in the framework.   |
| 38 | (d)     | HTMLLayout is the layout used to create the log output as an html web page.  |
| 39 | (d)     | Image file is not an executable file because it has no code for running. Accordingly, we cannot create exe files out of it.                              |
| 40 | (e)     | Exception is not a logger level.   |

## SECTION B

1. `public static Connection getConnection()throws Exception{`

`Class.forName("com.mysql.jdbc.Driver");`

`Connection c = DriverManager.getConnection("jdbc:mysql://localhost:3306/MyDB", "root", "1234");`

`return c;`

`}`

*\*Note: Method is not necessary.*

2. `DefaultTableModel dtm=(DefaultTableModel)jtable1.getModel();`

`dtm.setRowCount(0);`

3. Jasper Reporting Extensible Markup Language

4. `JasperReport jr=JasperCompileManager.compileReport("Path");`

## SECTION C

### 1.1 Regular Mode

In regular mode only the runnable jar file is wrapped around as an exe file. it does not contains library jar files. Libraries should be distributed along with exe outside the exe file.

### 1.2 JAR in EXE Mode

In jar in exe mode all the library files are included inside the exe file. Therefore, the developer does not have to distribute jar file with the exe file as all are included in one file.