



Dashboard » Computing Fundamentals » Campus Da Nang » PRJ311 - Desktop Java Applications » PRJ311 - SU20 » Information for class 1409 » Progress Test 2: Final

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Marks 33.00/49.00

Grade 6.73 out of 10.00 (67%)

Question 1

Complete

Mark 1.00 out of 1.00

If I want to run the main thread last, I can do it calling ____ method

Select one:

- ☒ a. sleep()
- ☐ b. stop()
- ☐ c. join()
- ☐ d. wait()

By calling sleep() within main(), with long enough delay to ensure that all child threads terminate prior to the main thread.

The correct answer is: sleep()

Question 2

Complete

Mark 1.00 out of 1.00

What can be the maximum priority for a thread?

Select one:

- ☐ a. 100
- ☐ b. 1
- ☒ c. 10
- ☐ d. 256

The correct answer is: 10

Question **3**

Complete

Mark 1.00 out of
1.00

What is synchronization in multithreading?

Select one:

- ☐ a. It's a process for a method to access many different threads at the same time
- ☒ b. a process to handle situations when two or more threads need access to a shared resource
- ☐ c. It's a method that allow too many threads to access any information require
- ☐ d. a process to access same shared resource simultaneously

When two or more threads need to access the same shared resource, they need some way to ensure that the resource will be used by only one thread at a time, the process by which this is achieved is called synchronization

The correct answer is: a process to handle situations when two or more threads need access to a shared resource

Question **4**

Complete

Mark 1.00 out of
1.00

Which of these statements regarding different states of a thread are true?

- (A) A thread in the waiting state is alive but not running.
- (B) A thread is considered terminated when its run() method starts.
- (C) A thread is in a blocked state when it is waiting for the lock of another object.
- (D) The thread comes out of the runnable state when the start() method is invoked on it.
- (E) A new thread is an empty thread object with no system resources allocated.

Select one:

- ☒ a. A, C, E
- ☐ b. A, B, D
- ☐ c. C, D, E
- ☐ d. B, C, D

The correct answer is: A, C, E

Question **5**

Complete

Mark 1.00 out of 1.00

In a program how do you know when you use wait() or sleep() in Threads ?

Select one:

- ☒ a. sleep() Wait in that time and do not call any more commands and it will continue to execute, wait() It will not run except with the notification of the operating system
- ☐ b. it will continue to run when has message from operating system
- ☐ c. it will stop when there is notice from the operating system
- ☐ d. it will work forever and not stop

The correct answer is: sleep() Wait in that time and do not call any more commands and it will continue to execute, wait() It will not run except with the notification of the operating system

Question **6**

Complete

Mark 1.00 out of 1.00

For the following statements :

1. A process has a self-contained execution environment. A process generally has a complete, private set of basic run-time resources; in particular, each process has its own memory space.
2. Multi Tasking System : almost all operating systems allow many processes executing concurrently.

Choose the correct answer :

Select one:

- ☐ a. 1 is false and 2 is true
- ☒ b. 1 & 2 are true
- ☐ c. 1 & 2 are false
- ☐ d. 1 is true and 2 is false

The correct answer is: 1 & 2 are true

Question **7**

Complete

Mark 0.00 out of
1.00

What is the Lock in thread ?

Select one:

- ☒ a. It is an extra variable which is added by the compiler for monitoring the state of common resource. After a thread accesses the private resource, the lock is tested
- ☐ b. None of the others
- ☐ c. It is an extra variable which is added by the compiler for monitoring the state of private resource. Before a thread accesses the common resource, the lock is tested.
- ☐ d. It is an extra variable which is added by the compiler for monitoring the state of common resource. Before a thread accesses the common resource, the lock is tested.

The correct answer is: It is an extra variable which is added by the compiler for monitoring the state of common resource. Before a thread accesses the common resource, the lock is tested.

Question **8**

Complete

Mark 1.00 out of
1.00

When we add a JList component to a Panel which of the following containers is added automatically?

Select one:

- ☒ a. JScrollPane
- ☐ b. JOptionPane
- ☐ c. JTabbedPane
- ☐ d. JSplitPane

The correct answer is: JScrollPane

Question **9**

Complete

Mark 1.00 out of
1.00

JPanel is a _____ container

Select one:

- ☐ a. Low level
- ☒ b. General purpose
- ☐ c. Top level
- ☐ d. Default

The correct answer is: General purpose

Question **10**

Complete

Mark 1.00 out of 1.00

TextField is a java _____ component

Select one:

- ☐ a. swing filler
- ☒ b. none of the other
- ☐ c. swing controls
- ☐ d. swing container

The correct answer is: none of the other

Question **11**

Complete

Mark 1.00 out of 1.00

Most (if not all) Swing class names start with letter

Select one:

- ☒ a. J
- ☐ b. S
- ☐ c. A
- ☐ d. C

The correct answer is: J

Question **12**

Complete

Mark 1.00 out of 1.00

Which of the following is NOT a JTextField constructor.

Select one:

- ☒ a. None of the others
- ☐ b. JTextField(int columns)
- ☐ c. JTextField(String text, int columns)
- ☐ d. JTextField()
- ☐ e. JTextField(String text)

The correct answer is: None of the others

Question **13**

Complete

Mark 0.00 out of
1.00

Which of these statements about MVC and Separable Model Architecture are true?

- A. MVC Architecture was first introduced in Smalltalk.
- B. Model represents the view of the Component.
- C. Controller role is to check user inputs from keyboard and mouse.
- D. View represents the data.
- E. Separable Architecture combines the View and Controller.

Select one:

- ☐ a. A, B and E
- ☐ b. A, B and C
- ☒ c. C, D and E
- ☐ d. A, D and E

The correct answer is: A, D and E

Question **14**

Complete

Mark 1.00 out of
1.00

You are trying to set the icon for a JButton labeled "Ok". Which of the following code will help you to achieve this?

Select one:

- ☒ a. JButton btnOk = new JButton("Ok", new ImageIcon("Ok.gif"));
- ☐ b. JButton btnOk = new JButton("Ok", new ImageIcon("Ok.gif"));
- ☐ c. JButton btnOk = new JButton(new ImageIcon("Ok.gif"));
- ☐ d. JButton btnOk = new JButton(new ImageIcon("Ok.gif"), "Ok");

The correct answer is: JButton btnOk = new JButton("Ok", new ImageIcon("Ok.gif"));

Question **15**

Complete

Mark 0.00 out of
1.00

Can you match the features of JTable against their description?

Features:

- (A) DefaultTableModel
- (B) getColumnCount()
- (C) getValueAt()
- (D) getRowCount()
- (E) AbstractTableModel

Description:

- (1) Return number of rows
- (2) Return number of columns
- (3) Abstract implementation
- (4) Concrete implementation
- (5) Return data at specified row and column

Select one:

- ☐ a. A-2, B-4, C-3, D-1, E-5
- ☐ b. A-3, B-5, C-4, D-1, E-2
- ☐ c. A-4, B-2, C-5, D-1, E-3
- ☒ d. A-5, B-2, C-4, D-1, E-3

The correct answer is: A-4, B-2, C-5, D-1, E-3

Question **16**

Complete

Mark 0.00 out of
1.00

Which of these options below is architecture for GUI component?

Select one:

- ☐ a. Swing
- ☒ b. JDBC
- ☐ c. MVC
- ☐ d. GUI

The correct answer is: MVC

Question 17

Complete

Mark 1.00 out of
1.00

Consider the following code:

```
public class Workshop {  
    public static void main(String[] args) {  
        JFrame fm = new JFrame();  
        fm.setSize(150, 200);  
        // Line 1  
    }  
}
```

Suppose all required classes are already imported, which of the following line of code should be filled at Line 1 in order to display the frame?

Select one:

- ☐ a. fm.setShow(true);
- ☐ b. None of the others
- ☒ c. fm.setVisible(true);
- ☐ d. fm.setDisplay(true);

The correct answer is: fm.setVisible(true);

Question 18

Complete

Mark 1.00 out of
1.00

Which method of FocusListener is raised when we move focus from a JTextField to another component in Swing application ?

Select one:

- ☐ a. lostFocus
- ☒ b. focusLost
- ☐ c. None of the others
- ☐ d. focusGained

The correct answer is: focusLost

Question **19**

Complete

Mark 1.00 out of 1.00

You are trying to add a JTextArea component to a JScrollPane. Which one of the following codes will help you to achieve this?

Select one:

- ☐ a. JScrollPane scpScrollPane;JTextArea txtNotes;
txtNotes = new JTextArea(); scpScrollPane = new JScrollPane(JTextArea);
- ☐ b. JScrollPane scpScrollPane;JTextArea txtNotes;
txtNotes = new JTextArea(scpScrollPane);
scpScrollPane = new JScrollPane();
- ☒ c. JScrollPane scpScrollPane;JTextArea txtNotes;
txtNotes = new JTextArea(); scpScrollPane = new JScrollPane(txtNotes);
- ☐ d. JScrollPane scpScrollPane;JTextArea txtNotes;
txtNotes = new JTextArea(); scpScrollPane = new JScrollPane(new JTextArea());

The correct answer is: JScrollPane scpScrollPane;JTextArea txtNotes;
txtNotes = new JTextArea(); scpScrollPane = new JScrollPane(txtNotes);

Question **20**

Complete

Mark 0.00 out of 1.00

To have control over serialization and deserialization we use _____ interface

Select one:

- ☐ a. Externalization
- ☒ b. Serializable
- ☐ c. ObjectInput
- ☐ d. FileFilter

The correct answer is: Externalization

Question **21**

Complete

Mark 1.00 out of 1.00

In Java RMI technology the underlying protocol used for communication between multiple JVMs is

Select one:

- ☐ a. Java Remote Method Implementation protocol
- ☒ b. Java Remote Method Invocation protocol
- ☐ c. Java Remote Model Invocation protocol
- ☐ d. Java Remote Method protocol

The correct answer is: Java Remote Method Invocation protocol

Question **22**

Complete

Mark 1.00 out of 1.00

Which of the following statements about Socket is NOT true.

Select one:

- ☐ a. Socket implements server sockets
- ☐ b. A socket waits for requests to come in over the network
- ☐ c. Socket performs some operation based on that request, and then possibly returns a result to the requester
- ☒ d. All of the other

The correct answer is: All of the other

Question **23**

Complete

Mark 0.00 out of 1.00

A mean which allows user choose an function of a program at a time.

Select one:

- ☐ a. C. Demonstrations
- ☐ b. A. Menu
- ☐ c. B. A wide screen area
- ☒ d. D. Events

The correct answer is: A. Menu

Question **24**

Complete

Mark 0.00 out of 1.00

What is a process that converts object's state (values in fields of the object) to a byte stream called?

Select one:

- ☐ a. Serialization
- ☐ b. De- serialization
- ☒ c. None of others
- ☐ d. communication

The correct answer is: Serialization

Question **25**

Complete

Mark 1.00 out of 1.00

When the user clicks a button, what is passed to actionPerformed() method as a single argument ?

Select one:

- ☐ a. a ActionAdapter object
- ☐ b. None of others
- ☐ c. a ActionListener object
- ☒ d. a ActionEvent object

The correct answer is: a ActionEvent object

Question **26**

Complete

Mark 1.00 out of 1.00

The event is passed to every ActionListener object that registered to receive such events using the component's _____method.

Select one:

- ☒ a. addActionListener()
- ☐ b. addEventHandler()
- ☐ c. addListener()
- ☐ d. addComponent()

The correct answer is: addActionListener()

Question **27**

Complete

Mark 0.00 out of 1.00

if an object is visible to more than one thread, all reads or writes to that object's variables should be done through ... methods.

Select one:

- ☐ a. public
- ☐ b. protected
- ☒ c. None of the others
- ☐ d. private

The correct answer is: public

Question **28**

Complete

Mark 1.00 out of 1.00

What method in the Graphics class can be used to draw a filled oval?

Select one:

- ☐ a. drawOval()
- ☐ b. None of the others
- ☒ c. fillOval()
- ☐ d. fullOval()

The correct answer is: fillOval()

Question **29**

Complete

Mark 1.00 out of 1.00

The command to create a blank in the textfield is

Select one:

- ☐ a. A. txtTextField.setText()
- ☐ b. C. txtTextField.setText(null)
- ☐ c. B. txtTextField.setText("")
- ☒ d. D. txtTextField.setText("")

The correct answer is: D. txtTextField.setText("")

Question **30**

Complete

Mark 0.00 out of 1.00

Which method is used to get Graphics object of a component?

Select one:

- ☒ a. Component.referGraphics()
- ☐ b. None of the others
- ☐ c. component.getGraphics()
- ☐ d. Component.setGraphics()

The correct answer is: component.getGraphics()

Question **31**

Complete

Mark 1.00 out of 1.00

Consider two statements:

Statement 1: A table cell editor in JTable only accepts JTextField type

Statement 2: We can select current set of rows in JTable.

Select one:

- ☐ a. true, true
- ☐ b. false, false
- ☐ c. true, false
- ☒ d. false, true

The correct answer is: false, true

Question **32**

Complete

Mark 1.00 out of 1.00

Which method is used to load JDBC Driver?

Select one:

- ☐ a. DriverManager.getConnect()
- ☐ b. DriverManager.getConnection()
- ☒ c. Class.forName()
- ☐ d. execute()

The correct answer is: Class.forName()

Question **33**

Complete

Mark 0.00 out of 1.00

In terms of JDBC API, in order to execute a SQL Select query, which method in the Statement class should be used?

Select one:

- ☐ a. performQuery()
- ☐ b. executeSelect()
- ☒ c. executeUpdate()
- ☐ d. executeQuery()

The correct answer is: executeQuery()

Question **34**

Complete

Mark 1.00 out of 1.00

The Unicode standard _____ and _____.

(A) Supports over one million characters.

(B) Supports only high surrogates.

(C) Includes the hexadecimal value prefixed with the string U+.

(D) Uses the codePointCount method to check the validity of a parameter.

Select one:

- ☒ a. A, C
- ☐ b. B, D
- ☐ c. A, B
- ☐ d. C, D

The correct answer is: A, C

Question **35**

Complete

Mark 1.00 out of 1.00

Which is the characteristic of an Internationalization program?

Select one:

- ☐ a. A & B are both wrong
- ☐ b. Culturally-dependent data, such as dates and currencies, appear in formats that conform to the end user's region and language
- ☐ c. With the addition of localized data, the same executable can run worldwide
- ☒ d. A & B are both correct

The correct answer is: A & B are both correct

Question **36**

Complete

Mark 1.00 out of 1.00

What does a Locale object represent?

Select one:

- ☒ a. All of the others
- ☐ b. language
- ☐ c. country
- ☐ d. a specific geographical
- ☐ e. cultural region

The correct answer is: All of the others

Question **37**

Complete

Mark 1.00 out of
1.00

What is the difference between localization and internationalization?

Select one:

- ☐ a. None of the others
- ☒ b. Localization is not at user interface level, Internationalization is at design level
- ☐ c. Internationalization, Localization is not at user interface level
- ☐ d. Internationalization, Localization is at design level

The correct answer is: Localization is not at user interface level, Internationalization is at design level

Question **38**

Complete

Mark 1.00 out of
1.00

Consider the following code:

```
DecimalFormat myFormatter = new DecimalFormat("###,###.###");
```

```
String output = myFormatter.format(123456.789);
```

```
System.out.println(output);
```

Assume all the required classes are imported, what is the correct output from the above code?

Select one:

- ☒ a. 123,456.789
- ☐ b. 123.456.789
- ☐ c. None of the others
- ☐ d. 123,456,789

The correct answer is: 123,456.789

Question **39**

Complete

Mark 1.00 out of
1.00

You are trying to create the JFormattedTextField using number format. Which one of the following codes will help you to achieve this?

Select one:

- ☐ a. `NumberFormat numberFormat;`
`JFormattedTextField txfNumber;`
`numberFormat = NumberFormat.getNumberInstance(numberFormat);`
`txfNumber = new JFormattedTextField();`
- ☐ b. `NumberFormat numberFormat;`
`JFormattedTextField txfNumber;`
`txfNumber = NumberFormat.getNumberInstance();`
`txfNumber = new JFormattedTextField();`
- ☒ c. `NumberFormat numberFormat;JFormattedTextField txfNumber;`
`numberFormat = NumberFormat.getNumberInstance();`
`txfNumber = new JFormattedTextField(numberFormat);`
- ☐ d. `NumberFormat numberFormat;`
`JFormattedTextField txfNumber;`
`numberFormat = numberFormat.getNumberInstance();`
`txfNumber = new JFormattedTextField(numberFormat);`

The correct answer is: `NumberFormat numberFormat;JFormattedTextField txfNumber;`
`numberFormat = NumberFormat.getNumberInstance();`
`txfNumber = new JFormattedTextField(numberFormat);`

Question **40**

Complete

Mark 0.00 out of
1.00

You are trying to create the popup menu with 'Mark', 'Copy' items in it. Which of the options will help you to achieve this?

Select one:

- ☐ a.

```
JPopupMenu mnpPopup;  
JMenuItem mniMark,mniCopy;  
mnpPopup = new JPopupMenu();  
mniMark = new JMenuItem("Mark");  
mnpPopup.add(mniMark);  
mniCopy = new JMenuItem("Copy");  
mnpPopup.add(mniCopy);
```
- ☐ b.

```
JPopupMenu mnpPopup;  
JPopupMenu mniMark, mniCopy;  
mnpPopup = new JPopupMenu();  
mniMark = new JPopupMenu("Mark");  
mnpPopup.add(mniMark);  
mniCopy = new JPopupMenu("Copy");  
mnpPopup.add(mniCopy);
```
- ☐ c.

```
JPopupMenu mnpPopup;  
JMenuItem mniMark, mniCopy;  
mnpPopup = new JPopupMenu();  
mniMark = new JMenuItem("Mark");  
mnpPopup.add(mniMark);  
mniCopy = new JMenuItem("Copy");  
mnpPopup.add(mniCopy);
```
- ☐ d.

```
JPopupMenu mnpPopup;  
JMenuItem mniMark, mniCopy;  
mnpPopup = new JPopupMenu();  
mniMark = new JMenuItem("Mark");  
JPopupMenu.add(mniMark);  
mniCopy = new JMenuItem("Copy");  
JPopupMenu.add(mniCopy);
```

The correct answer is:

```
JPopupMenu mnpPopup;  
JMenuItem mniMark, mniCopy;  
mnpPopup = new JPopupMenu();  
mniMark = new JMenuItem("Mark");  
mnpPopup.add(mniMark);  
mniCopy = new JMenuItem("Copy");  
mnpPopup.add(mniCopy);
```

Question **41**

Complete

Mark 0.00 out of
1.00

Select incorrect statement about FlowLayout. (choose 1)

Select one:

- ☒ a. The Flow layout manager fits as many components as possible into the top row and spills the remainder into a second row. The components always appear, left to right, in the order they were added to their container.
- ☐ b. It is the default layout manager type for JFrame.
- ☐ c. The Flow layout manager always honors a component's preferred size.
- ☐ d. The Flow layout manager arranges components in horizontal rows.

The correct answer is: It is the default layout manager type for JFrame.

Question **42**

Complete

Mark 1.00 out of
1.00

Which of the following statements is not correct about JTree control?

Select one:

- ☐ a. Branch nodes are those that can have children.
- ☐ b. Every tree has a root node from which all nodes descend.
- ☒ c. Leaf nodes are those that can have children.

The correct answer is: Leaf nodes are those that can have children.

Question **43**

Complete

Mark 1.00 out of
1.00

Study the following Java statements:

String s1= "Hello";

String s2= "Hello";

String s3= "Hello";

String s4= new String("Hello");

How many strings, specified by the above code, are stored in the memory of the program?

Select one:

- ☐ a. None of the others
- ☐ b. 1
- ☒ c. 2
- ☐ d. 4

The correct answer is: 2

Question **44**

Complete

Mark 1.00 out of 1.00

Two streams are packed in a socket are

Select one:

- ☒ a. InputStream and OutputStream
- ☐ b. BufferedReader and PrintWriter
- ☐ c. None of the others.
- ☐ d. BinaryInputStream and BinaryOutputStream

The correct answer is: InputStream and OutputStream

Question **45**

Complete

Mark 0.00 out of 1.00

In a client-server application model, which side will initialize a connection?

Select one:

- ☐ a. All of them
- ☐ b. Client
- ☒ c. Server

The correct answer is: Client

Question **46**

Complete

Mark 0.00 out of 1.00

Which of the following statements is correct regarding Type 4 JDBC driver (Native Protocol)?

Select one:

- ☒ a. It helps the Java applications communicate directly with the database by calling C/C++ native libraries.
- ☐ b. It helps the Java applications communicate directly with the database through a third party middleware.
- ☐ c. It helps the Java applications communicate directly with the database by calling ODBC API.
- ☐ d. It helps the Java applications communicate directly with the database using Java sockets.

The correct answer is: It helps the Java applications communicate directly with the database using Java sockets.

Question **47**

Complete

Mark 0.00 out of
1.00

The default type of the ResultSet object is ____.

Select one:

- ☐ a. TYPE_FORWARD_ONLY
- ☐ b. TYPE_SCROLL_SENSITIVE
- ☒ c. None of the others.
- ☐ d. TYPE_SCROLL_INSENSITIVE

The correct answer is: TYPE_FORWARD_ONLY

Question **48**

Complete

Mark 0.00 out of
1.00

Suppose that the SQL statement: "SELECT name, rank, serialNo FROM employees" is executed and the result is being stored in the ResultSet object, named **rs**.

Which one of the following will not get the data from the first column of the current row of the **rs** object?

Select one:

- ☒ a. rs.getString(1)
- ☐ b. rs.getString(0)
- ☐ c. rs.getString("name")

The correct answer is: rs.getString(0)

Question **49**

Complete

Mark 1.00 out of
1.00

Suppose that **sql1** and **sql2** are valid SQL statements, the **stmt** is a created Statement object. Study the following valid statements:

```
ResultSet rs1= stmt.executeQuery(sql1);//1
```

```
ResultSet rs2= stmt.executeQuery(sql2);//2
```

Which of them causes an exception when this code executes?

Select one:

- ☐ a. All of these statements.
- ☐ b. None of these statements.
- ☒ c. 2
- ☐ d. 1

The correct answer is: 2

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