



**Vendor:** BlackBerry

**Exam Code:** BCP-811

**Exam Name:** Developing Java applications for the  
BlackBerry Platform

**Version:** DEMO

### QUESTION 1

Which keys are required to use the encryption classes in the Java API in order to store encrypted data on a BlackBerry device? (Choose one.)

- A. Code development keys
- B. Code signing keys
- C. Code runtime keys
- D. Code encryption keys
- E. Code storage keys

**Answer: B**

### QUESTION 2

Consider the code below:

```
int width = Math.abs( ... );  
...  
int midpoint = width / 2;
```

What is a more efficient way of calculating the midpoint? (Choose one.)

- A. `int midpoint = (int) ((double) width) / 2.0;`
- B. `int midpoint = Fixed32.div(width, 2);`
- C. `int midpoint = (int) (width * 0.5f);`
- D. `int midpoint = width >> 1;`
- E. `int midpoint = width >> 2;`

**Answer: D**

### QUESTION 3

Which two of the following operations should be avoided on the main event thread? (Choose two.)

- A. Pushing a screen onto the display stack
- B. Displaying a Dialog screen
- C. Performing network communication
- D. Calling the sleep method
- E. Capturing of keyboard input

**Answer: CD**

### QUESTION 4

A BlackBerry device application collects information about several hundred books. The application needs to sort books by title. Which combination of data structures should be used to manage the objects? (Choose one.)

- A. `net.rim.device.api.util.SimpleSortingVector` and `net.rim.device.api.util.StringComparator`
- B. `java.util.Hashtable` and `net.rim.device.api.util.StringComparator`

- C. net.rim.device.api.util.StringRepository and net.rim.device.api.util.StringPattern
- D. java.util.TreeSet and net.rim.device.api.util.StringComparator
- E. java.util.Stack and net.rim.device.api.util.StringComparator

**Answer:** A

#### **QUESTION 5**

An application receives notification that a new data object is being saved in the Runtime Store. It may take up to 60 seconds to save this data. Which method should the application use to obtain the object from the Runtime Store? (Choose one.)

- A. get( long objectId )
- B. getInstance()
- C. fetch( Class objectClass, long timeout )
- D. waitFor( long objectId )
- E. put( long objectId, Object anObject)

**Answer:** D

#### **QUESTION 6**

The following application is set to auto-run at startup:

```
public final class TestApp extends UiApplication
{
    public static void main(String[] args)
    {
        UiApplication theApp = new TestApp();
        theApp.enterEventDispatcher();
    }

    public TestApp()
    {
        MainScreen mainScreen = new MainScreen();

        MenuItem menu = new MenuItem("Do Something",
            1, 1)
        {
            public void run()
            {
                MyThread myTh = new MyThread();
                myTh.start();
            }
        };
        mainScreen.addMenuItem(menu);
        pushScreen(mainScreen);
    }
}
```

Which approach would most reliably solve the problem this application will encounter? (Choose one.)

- A. It should call `Thread.sleep()` for ten seconds before pushing the screen to verify that the BlackBerry device has completed its boot up process
- B. Threads should be moved to their own standalone class so that they do not cause a security exception
- C. The int values in the MenuItem constructor should equal the y MenuItem length to leave enough room for the string
- D. It should use `UIApplicationManager.inStartup()` before pushing the screen to verify that the BlackBerry device has completed its boot up process
- E. It should use `UIApplicationManager.inStartup()` before pushing the screen to verify that the BlackBerry device has completed its boot up process
- F. It should use `UIApplicationManager.inStartup()` before pushing the screen to verify that the BlackBerry device has completed its boot up process
- G. The `makeMenu` method of `MainScreen` must be overridden to use a menu

**Answer:** DEF

## QUESTION 7

A developer is designing a BlackBerry device application that provides summaries of large amounts of data. The summaries require extensive computations. Which design approach will meet these requirements? (Choose one.)

- A. Store the full set of data locally on removable media using a compressed format
- B. Supplement memory available on the BlackBerry device and compute the results locally
- C. Use URL encodings to expedite the transfer of data between a remote server and the BlackBerry device
- D. Compute the summary on a remote server and access the results through a BlackBerry Enterprise Server connection
- E. Use local storage and the floating point processor on the BlackBerry device to speed up computations

**Answer: B**

#### **QUESTION 8**

A customer needs an application that will store temporary data and expose it to other BlackBerry device applications. Which API will meet this requirement? (Choose one.)

- A. Runtime Store
- B. Persistent Store
- C. Location Based Services
- D. Global Events
- E. Connector

**Answer: A**

#### **QUESTION 9**

An application requires the creation of a custom field that can display animation. Which class and method combination should be used to accomplish this task? (Choose one.)

- A. Field.paint(Graphics graphics)
- B. MainScreen.paint(Graphics graphics)
- C. Field.subpaint(Graphics graphics)
- D. Screen.draw(Graphics graphics)
- E. GameCanvas.paint(Graphics graphics)

**Answer: A**

#### **QUESTION 10**

Consider the Counter class whose code is below:

```
1 public class Counter implements Runnable {
2     private static int _count;
3
4     public void run() {
5         for (int i=0; i<1000000; i++) {
6             _count++;
7         }
8     }
9
10    public static void go() throws InterruptedException {
11        _count = Integer.MAX_VALUE - 1000000;
12        Thread t1 = new Thread(new Counter());
13        Thread t2 = new Thread(new Counter());
14        t1.start(); t2.start();
15        t1.join(); t2.join();
16        System.out.println("FINAL COUNT: " + _count);
17    }
18 }
```

Assuming that the go() method is always invoked serially, why is a different count printed at the end almost every time that it is invoked? (Choose one.)

- A. The run() method is not declared "synchronized"
- B. The \_count variable is not declared "synchronized"
- C. The ++ operator is not atomic
- D. The \_count variable overflows
- E. The Counter class is not declared "synchronized"

**Answer: C**

#### QUESTION 11

A developer is writing a game with custom graphics and animations that will need to fit on multiple screen sizes for various BlackBerry devices. The developer needs to minimize the number of images created for the game. Which API will support these requirements? (Choose one.)

- A. SVG
- B. Display
- C. Transition
- D. Multimedia
- E. Game

**Answer: A**

#### QUESTION 12

Which three of the following options are contained in a component pack? (Choose three.)

- A. BlackBerry Device Simulator
- B. JavaDocs
- C. API Library
- D. Code signing keys

E. Unit Tests Framework

**Answer:** ABC

**QUESTION 13**

Which push header should be used to verify that push requests are received by a BlackBerry device application? (Choose one.)

- A. X-Rim-Push-Reliability: Transport
- B. X-RIM-Push-Deliver-Before Mon, 03 Aug 2009 15:52:00 GMT
- C. X-RIM-Push-Deliver-After: Mon, 03 Aug 2009 15:52:00 GMT
- D. X-Rim-Push-Priority: High
- E. X-Rim-Push-Reliability: Application

**Answer:** E

**QUESTION 14**

An application is needed that can store a list of sales data and customer information. The application will also need the ability to search through this data and summarize it in an efficient manner. Which data storage mechanism will assist in meeting all of these requirements? (Choose one.)

- A. SQLite
- B. Persistent Store
- C. Record Store
- D. Runtime Store
- E. File Connection

**Answer:** D

**QUESTION 15**

Which two of the following classes could be used to check the coverage status? (Choose two.)

- A. Radio
- B. Connection Factory
- C. Transport Info
- D. Coverage Sate
- E. Coverage Info

**Answer:** CE

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