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Java SE 7 Programmer II

DEMO

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Note: The answer is for reference only, you need to understand all question.

QUESTION 1
Given the code fragment:

DataFormat df;

Which statement defines a new Dateformat object that displays the default date format for the UK Locale?

A. df = DateFormat.getdatDataInstance (DateFormat.DEFAULT, Locale (UK));
B. df = DateFormat.getdatDataInstance (DateFormat.DEFAULT, UK);
C. df = DateFormat.getdatDataInstance (DateFormat.DEFAULT, Locale.UK);
D. df = new DateFormat.getdatDataInstance (DateFormat.DEFAULT, Locale.UK);
E. df = new DateFormat.getdatDataInstance (DateFormat.DEFAULT, Locale (UK));

Answer: C

QUESTION 2
Given:

```
public class DoubleThread {

public static void main(String[] args) {

Thread t1 = new Thread() {

public void run() {

System.out.print("Greeting");

}

};

Thread t2 = new Thread(t1); // Line 9

t2.run();

}

}
```

Which two are true?

A. A runtime exception is thrown on line 9.
B. No output is produced.
C. Greeting is printed once.
D. Greeting is printed twice.
E. No new threads of execution are started within the main method.
F. One new thread of execution is started within the main method.
G. Two new threads of execution are started within the main method.

Answer: CE

QUESTION 3
Given:

```
import java.util.*;

public class AccessTest {

public static void main(String[] args) {

Thread t1 = new Thread(new WorkerThread());

Thread t2 = new Thread(new WorkerThread());

t1.start(); t2.start; // line1

}

}

class WorkPool {

static ArrayList<Integer> list = new ArrayList<>(); // line2

public static void addItem() { // line3

list.add(1); // Line4

}
```

```
}

class WorkerThread implements Runnable {

static Object bar = new Object ();

public void run() { //line5

for (int i=0; i<5000;i++) WorkPool.addItem(); // line6

}

}
```

Which of the four are valid modifications to synchronize access to the valid list between threads t1 and t2?

A. Replace line 1 with:
   Synchronized (t2) (t1.start();) synchronized(t1) (t2.start();)
B. Replace Line 2 with:
   static CopyWriteArrayList<Integer> list = new CopyWriteArrayList<>();
C. Replace line 3 with:
   synchronized public static void addItem () {
D. Replace line 4 with:
   synchronized (list) (list.add(1);)
E. Replace line 5 with:
   Synchronized public void run () {
F. replace line 6 with:
   Synchronized (this) {for (in i = 0, i<5000, i++) WorkPool.addItem(); }
G. Replace line 6 with:
   synchronized (bar) {for (int i= 0; i<5000; i++) WorkPool.addItem(); }

Answer: F

QUESTION 4

Sam has designed an application. It segregates tasks that are critical and executed frequently from tasks that are non critical and executed less frequently. He has prioritized these tasks based on their criticality and frequency of execution. After close scrutiny, he finds that the tasks designed to be non critical are rarely getting executed.

From what kind of problem is the application suffering?

A. race condition