guestion 1

(JVM) that it is willing to bet other threads be senduled in its place.

yierd() is basically a hint to the senedular

that the current thread is willing to yield its

current use of the processor. The senedular is free

to ignore this hint. Yield is a heuristic attempt

to improve relative progression between threads

that would otherwise over-utilize a CPU.

Syntax:

public static native void yield ()

If any thread executes the yield method, the thread scheduler checks if there is any thread with same or higher provity then the current running thread. If the pass scheduler finds any such thread then it moves the current thread to runnable shake and assigns processor to the other thread. If then not, then the current thread keeps executing.

Errors are exceptional scenarios that are out of the scope of the application and it is not possible to are anticipate and recover from them, for example, hardware failure, JVM crash on out of memory error. Some of the most common errors are Out-Of Memory Error and Stack Overflow Error.

Exceptions and Errors are both subclasses of the Throwable class. Errors mostly occur during runtime and they belong to an unchecked type.

Exceptions are variations from normal from of a program and they can occur during runtime or compile time. Unlike Errors, Exceptions are recoverable using try, eaten and throw keywords. Exceptions again, are divided into two categories - checked and uncreeked exceptions. Exceptions are mostly caused due to bad programming practices.

Daemon threads are low-priority threads. That provide Support to user exempions threads. These threads can be user-defined or System - defined as well. Garbage Collection thread is one of the System generated daemon threads that runs in the background. Daemon threads exist in the JVM untill all the other user threads finish their execution. When no other thread is running, JVM automorically terminates daemon thread.

In Java, void Set Daemon (boolean Status)
method is used to treate the current thread
as a daemon thread. For example,

Thread 1. Set Daemon (true)

Current Thread Object If status is true
it means whent
thread is set to downer

String Builder class is used to represent a mutable string of characters. Mutable means a String which can be altered. String objects are immutable while String Builder is a mutable string type.

String Builder does not create a new modified instance of the current String Object but does the modifications in the existing String Object.

Again on these other hand, immutable objects have some advantages too. String objects can be used across threads without the fear of synctronization proteems, while with string. String Builder is going to cost performance in a multi-threaded environment.