**Question related to Multithreading**

1. What is Thread?
2. What is the difference between Thread and Process?
3. What are the benefits of multi-threaded programming?
4. What are the ways to create a Thread in java?
5. Which ways is better to create a Thread and why?
6. What is the name of default Thread in java?
7. What are the state for Thread or Life cycle of Thread injava?
8. Difference between suspend () and sleep () in java?
9. Difference between notify () and notifyAll () in java?
10. Difference between wait () and sleep () in java?
11. What is the range of threadpriority?
12. What are the ways in which a thread can enter the waiting state?
13. How does multi-threading take place on a computer with a single CPU?
14. How can a dead thread be restarted?
15. Describe life cycle of thread?
16. What is currentThread()?
17. Explain isAlive() method under Thread class?
18. What is daemon thread?
19. Which method is used to create the daemon thread?
20. Which method must be implemented by all threads?
21. which containers use a border Layout as their default layout?
22. Why to use multithreading than multiprocessing?
23. How thread create in java?
24. Define multitasking?
25. What is the diff. b/w void speed() and void suspend() method?
26. How multitasking can be achived?
27. What are the diff. b/w multithreading and multiprocessing?
28. State the work of NewBornState ,Activestate and Block state?
29. Which method return object of thread class?
30. State the work of void run() method?
31. What is the diff. b/w StringgetName() and void setName() method?
32. What is the diff. b/w intgetPriority() and intsetPriority() method?
33. What is the work of Boolean isAlive() method?
34. What is the diff.b/w Boolean isInterrupted() and Static isInterrupted() method?
35. State MAX-PRIORITY,MIN-PRIORITY,DEFAULT-PRIORITY of thread?
36. What is the diff. b/w extending thread class and implementing Runnable interface?
37. Which is better for thread extending thread class or implementing runnable interface and Why?
38. How many thread execute at a single time?
39. Who control lifecycle of thread?
40. How many method present in Runnable interface & state the use of the methods?
41. What is the work of Start() method of thread class?
42. How to perform multiple task by multithreads?
43. How to perform single task by multithreads?
44. State the situation where multiclass object is Thread object?
45. What happened if you are not extending the thread class?
46. What is thread scheduler?
47. What thread scheduler use to schedule the thread?
48. What is the diff. b/w Preemptive scheduling and time slicing?
49. Which two methods provides by the thread class for sleeping a thread?
50. Can we start a thread twice and mention why?
51. What If we call run() method directly instead of start() method?
52. What is the work of join() method?
53. State the work of CurrentThread() method?
54. What is Preemptive Scheduling?
55. Which is a low priority Thread?
56. What are the methods present in java for Daemon Thread?
57. What is the diff.b/w void setDaemon() and Boolean isDaemon() methods?
58. What to do if you want to make a user thread to Daemon?
59. What is the use of TheShutdown Hook?
60. Whan JVM Shutdown?
61. State the use of addShutdownHook() method?
62. Define Synchronization & its type?
63. State use of Synchronization?
64. Definr types of thread Synchronization?
65. How The Shutdown sequence can stop?
66. Define concept of Lock?
67. What is the problem without Synchronization?
68. State Synchronized methods & its use?
69. State the use of Synchronized Block?
70. When Synchronized block work same as Synchronized method?
71. What is Deadlock?
72. What is Cooperation or Inter-thread communication?
73. By which method Cooperation can implemented?
74. What is the diff. b/w notify() and notifyAll() methods?
75. What Wait() method do?
76. What is the concept means “Interrepting a Thread”?
77. What are the methods provide by thread class for implementing a Thread?
78. What are the state for Thread present in java?
79. Waht is Halted state?
80. State the ways to create the osbject of Thread class?
81. Which concept is use to achive Consistent?
82. How a programmer construct the object of Runtime class?
83. Define System class?
84. State the methods present in System class & Define each?
85. State the work of static java.lang.StringgetProperty() method?
86. State the work of static long currentTimeMillis() method?
87. Define Process class?