**CS508 Assignment #2 spring 2023**

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**Problem Statement:**

In Java, Multithreading and concurrency are two important concepts that are utilized for efficient use of system resources and better performance in multi-tasking applications.

You are required to build a java project to implement multithreading and concurrency by fulfilling following requirements.

1. Create a java project having two files “ThreadTest.java” and “myRunnable.java”.
2. In “myRunnable.java” file, write a class named as “myRunnable”, its constructor and override run () method to create five elements of each thread in it.
3. In ThreadTest.java file, instantiate three objects of myRunnable class by giving names as

“first\_runnable”, “second\_runnable”, “third\_runnable”.

1. Create three objects of Thread class “Thread\_1”, “Thread\_2”, “Thread\_3” by passing objects of myRunnable.
2. If threads are created successfully then Print the message, “Threads are created successfully”.
3. Set the Maximum Priority as 10 of Thread\_3.
4. Set the Minimum priority as 1 of Thread\_1 and Thread\_2.
5. Start the threads for execution and print out detailed concurrency of threads elements creation.