

PROBLEM STATEMENT :

Assignment description: WAP demonstrating the Database Connectivity (MySQL/Oracle) in Java.

CODE:

```
/*
```

Assignment description: Write a Java Program for Thread Creating and use of its various methods.

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Batch - AIML A3

LAB ASSIGNMENT - 10

```
*/
```

```
package Assignment_10;
```

```
public class ThreadExample implements Runnable{
    public void run() {
        // Code to be executed in the thread
        System.out.println("Thread is running...");
        try {
            Thread.sleep(1000);
        } catch (InterruptedException e) {
            System.out.println("Thread interrupted");
        }
        System.out.println("Thread completed");
    }
    public static void main(String[] args) {
        // Create a new thread
        Thread thread = new Thread(new ThreadExample());
        // Set the thread's priority to the highest value
        thread.setPriority(Thread.MAX_PRIORITY);
        // Start the thread
        thread.start();
        // Wait for the thread to complete its execution
    }
}
```

```
try {
    thread.join();
} catch (InterruptedException e) {
    System.out.println("Main thread interrupted");
}
// Using the methods of the thread -
System.out.println("Thread name: " + thread.getName());
System.out.println("Thread priority: " + thread.getPriority());
System.out.println("Thread state: " + thread.getState());
System.out.println("Thread is alive: " + thread.isAlive());
}
}
```

OUTPUT :

```
"C:\Program Files\Java\jdk-19\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2022.3.1\lib\idea_rt.jar=54630:C:\Program Files\JetBrains\Intel
Thread is running...
Thread completed
Thread name: Thread-0
Thread priority: 10
Thread state: TERMINATED
Thread is alive: false
```

GitHub Repository: <https://github.com/SnakeEyes1308/Java-Assignment->