```java
class Java_Lab_Thread extends Thread {

    public void run() {
        System.out.println("Thread is running.");
    }

    public static void main(String[] args) {
        Java_Lab_Thread thread = new Java_Lab_Thread();

        // start the thread
        thread.start();

        // check if the thread is alive
        System.out.println("Is thread alive? " +
thread.isAlive());

        // set the thread name
        thread.setName("MyThread");
        System.out.println("Thread name: " + thread.getName());

        // get the thread priority
        System.out.println("Thread priority: " +
thread.getPriority());

        // set the thread priority
        thread.setPriority(Thread.MAX_PRIORITY);
        System.out.println("Thread priority: " +
thread.getPriority());

        // wait for the thread to complete
        try {
            thread.join();
```

```java
        } catch (InterruptedException e) {
            e.printStackTrace();
        }


        // check if the thread is alive after completion
        System.out.println("Is thread alive? " +
thread.isAlive());
    }
}
```

OUTPUT

```
te300d0b7eb02/reundt.java/jut_ws/java/_Lab_Scibofsa/bin-java_Lab_mread
Is thread alive? true
Thread is running.
Thread name: MyThread
Thread priority: 5
Thread priority: 10
Is thread alive? false
(base) harshgandhi@HarshGandhisMac Java Lab %
```