

# Thread

## Task 05

```
package multithread1;

/**
 *
 * @author student
 */
public class ThreadLifecycleExample extends Thread {
    @Override
    public void run() {
        System.out.println(Thread.currentThread().getName() + " - State: " +
            Thread.currentThread().getState());
        try {
            Thread.sleep(2000); // Simulate waiting state
        } catch (InterruptedException e) {
            e.printStackTrace();
        }
        System.out.println(Thread.currentThread().getName() + " - State after sleep: " +
            Thread.currentThread().getState());
    }
    public static void main(String[] args) {
        ThreadLifecycleExample thread = new ThreadLifecycleExample();
        System.out.println(thread.getName() + " - State before start: " +
            thread.getState());
        thread.start(); // Start the thread
        System.out.println(thread.getName() + " - State after start: " +
            thread.getState());
    }
}
```

}

## Output

