

Java Threads

- **Java Threads May be Created by:**
 - **Extending Thread class**
 - **Implementing the Runnable interface**

Extending the Thread Class

```
class Worker1 extends Thread
{
    public void run() {
        System.out.println("I am a Worker Thread");
    }
}
```

Creating the Thread

```
public class First
{
    public static void main(String args[]) {
        Worker runner = new Worker1();

        runner.start();

        System.out.println("I am the main thread");
    }
}
```

The Runnable Interface

```
public interface Runnable
{
    public abstract void run();
}
```

Implementing the Runnable Interface

```
class Worker2 implements Runnable
{
    public void run() {
        System.out.println("I am a Worker Thread");
    }
}
```

Creating the Thread

```
public class Second
{
    public static void main(String args[]) {
        Runnable runner = new Worker2();
        Thread thrd = new Thread(runner);
        thrd.start();

        System.out.println("I am the main thread");
    }
}
```

Java Thread Management

- **suspend()** – suspends execution of the currently running thread.
- **sleep()** – puts the currently running thread to sleep for a specified amount of time.
- **resume()** – resumes execution of a suspended thread.
- **stop()** – stops execution of a thread.

Java Thread States

