Thread example

```java

public class ThreadTaskDemo {

public static void main(String[] args) {

// Create tasks

Runnable printA = new PrintChar('a', 100);

Runnable printB = new PrintChar('b', 100);

Runnable print100 = new PrintNum(100);

// Create threads

Thread thread1 = new Thread(printA);

Thread thread2 = new Thread(printB);

Thread thread3 = new Thread(print100);

// Start threads

thread1.start();

thread2.start();

thread3.start();

}

}

// The task for printing a character a specified number of times

class PrintChar implements Runnable {

private char charToPrint; // The character to print

private int times; // The number of times to repeat

/\*\*

\* Construct a task with a specified character and number of times to print the

\* character

\*/

public PrintChar(char c, int t) {

charToPrint = c;

times = t;

}

@Override /\*\*

\* Override the run() method to tell the system what task to perform

\*/

public void run() {

for (int i = 0; i < times; i++) {

System.out.print(charToPrint);

}

}

}

// The task class for printing numbers from 1 to n for a given n

class PrintNum implements Runnable {

private int lastNum;

/\*\* Construct a task for printing 1, 2, ..., n \*/

public PrintNum(int n) {

lastNum = n;

}

@Override /\*\* Tell the thread how to run \*/

public void run() {

for (int i = 1; i <= lastNum; i++) {

System.out.print(" " + i);

}

}

}

```