Experiment No: -12

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**Program code: -**

class NumberThread implements Runnable {

@Override

public void run() {

for (int i = 1; i <= 5; i++) {

System.out.println(i);

try {

Thread.sleep(500);

} catch (InterruptedException e) {

System.out.println(e);

}

}

}

}

class AlphabetThread implements Runnable {

@Override

public void run() {

for (char c = 'A'; c <= 'E'; c++) {

System.out.println(c);

try {

Thread.sleep(500);

} catch (InterruptedException e) {

System.out.println(e);

}

}

}

}

public class MultiThreading {

public static void main(String[] args) {

NumberThread numberTask = new NumberThread();

AlphabetThread alphabetTask = new AlphabetThread();

Thread numberThread = new Thread(numberTask);

Thread alphabetThread = new Thread(alphabetTask);

numberThread.start();

alphabetThread.start();

try {

numberThread.join();

alphabetThread.join();

} catch (InterruptedException e) {

System.out.println(e);

}

System.out.println("Both threads have finished execution.");

}

}

**Output: -**

1

2

3

4

5

A

B

C

D

E

Both threads have finished execution.