

JAVA LAB - 09 - Thread

1.

```
C:\Users\Admin\Desktop\cs065>java mainThread
Main Thread
Main Thread
Main Thread
Main Thread
Main Thread
Main Thread
Main Thread
Main Thread
Main Thread
Main Thread
Main Thread
Child Thread
Child Thread
Child Thread
Child Thread
Child Thread
Child Thread
Child Thread
Child Thread
Child Thread
Child Thread
Child Thread
```

2.

```
C:\Users\Admin\Desktop\cs065>javac Current.java

C:\Users\Admin\Desktop\cs065>java Current
Current thread: Thread[#1,main,5,main]
Name is: main
```

3.

```
C:\Users\Admin\Desktop\cs065>java TestThread
Thread: main , State: New
Thread: main , State: New
Thread: main, State: Start
Thread: main, State: Start
Thread: Thread-0, State: Running
Thread: Thread-1, State: Running
Thread: main, State: Dead
Thread: Thread-1, 4
Thread: Thread-0, 4
Thread: Thread-1, 3
Thread: Thread-0, 3
Thread: Thread-1, 2
Thread: Thread-0, 2
Thread: Thread-1, 1
Thread: Thread-0, 1
Thread: Thread-1, State: Dead
Thread: Thread-0, State: Dead
```

4.

```
C:\Users\Admin\Desktop\cs065>java DemoJoin
New thread: Thread[#30,one,5,main]
New thread: Thread[#31,two,5,main]
New thread: Thread[#32,three,5,main]
Thread One is alive: true
Thread Two is alive: true
Thread Three is alive: true
Waiting for threads to finish.
three: 5
one: 5
two: 5
one: 4
three: 4
two: 4
one: 3
two: 3
three: 3
one: 2
two: 2
three: 2
two: 1
one: 1
three: 1
two exiting.
three exiting.
one exiting.
Thread One is alive: false
Thread Two is alive: false
Thread Three is alive: false
Main thread exiting
```

5.

```
C:\Users\Admin\Desktop\cs065>java MyThread
true
true
r1
r1
r2
r2
```

6.

```
C:\Users\Admin\Desktop\cs065>java MyThread
r1
r1
r2
r2
```

```
C:\Users\Admin\Desktop\cs065>java TestSynchronization2
5
10
15
20
25
100
200
300
400
500
```

```
C:\Users\Admin\Desktop\cs065>java Multithreading
BMS College of Engineering
CSE
CSE
CSE
CSE
CSE
BMS College of Engineering
CSE
CSE
CSE
CSE
CSE
BMS College of Engineering
CSE
CSE
CSE
CSE
CSE
BMS College of Engineering
CSE
CSE
CSE
CSE
CSE
BMS College of Engineering
CSE
CSE
CSE
^C
C:\Users\Admin\Desktop\cs065>
```