**OBSERVATION**

The multicore module was run on a dual core machine with following smp configurations:  
Case 1, One smp: The speedup was 0.9 for sort and 0.991 for Fibonacci series   
Case 2, Two smp: The speedup was 1.5 for sort and 1.581 for Fibonacci series  
Case 3, Four smp: The speedup was 1.625 for sort and 2.270 for Fibonacci series  
  
The increase in speedup was observed due to distribution of scheduler load between cores.  
Speedup went on increasing in each case with increase in smp’s.