**Report**

**Analysis of Run Time for the MST using Binary Heap and Indexed Heap**

**Input File:sp0pq-big.txt**

MST using Binary Heap

Weight of the Minimum spanning tree 9999

Time taken 9017 ms

MST using Indexed Heap

Weight of the Minimum spanning tree 9999

Time taken 1658 ms

**Input File:prim1.txt**

MST using Binary Heap

Weight of the Minimum spanning tree 84950

Time taken 3 ms

MST using Indexed Heap

Weight of the Minimum spanning tree 84950

Time taken 1 ms

**Input File:prim2.txt**

MST using Binary Heap

Weight of the Minimum spanning tree 110419

Time taken 2 ms

MST using Indexed Heap

Weight of the Minimum spanning tree 110419

Time taken 1 ms

**Input File:prim3.txt**

MST using Binary Heap

Weight of the Minimum spanning tree 153534

Time taken 2 ms

MST using Indexed Heap

Weight of the Minimum spanning tree 153534

Time taken 1 ms