

**WIA2005 Algorithm Design & Analysis**  
**Semester 2, 2016/17**  
**Lab 11**

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1. Given the following graph initialized as a 2-dimensional array graph.

```
int graph[][] = new int[][] {{0, 2, 0, 6, 0},  
                               {2, 0, 3, 8, 5},  
                               {0, 3, 0, 0, 7},  
                               {6, 8, 0, 0, 9},  
                               {0, 5, 7, 9, 0}};
```

Find the minimum spanning tree using:

- a. Kruskal's algorithm
  - b. Prim's algorithm
2. Modify Question 1 to accept user defined graph.