**Assignment 1:**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|  |  |  |  |  |  |  |  |  |  |
| 1 | 1 | 3 | 1 | 5 | 6 | 1 | 3 | 4 | 5 |
|  |  |  |  |  |  |  |  |  |  |
|  | |  |  |  |  |  |  |  |  |

Its not possible to get this tree using weighted quick union algorithm as the high weighted sub tree is connected to low weighted subtree which should be done in vice versa.

**Tracing:**



