## **Sparse Matrices Worksheet**

Write a Java main program which uses the Triplet algorithm to reduce the size of the sparse matrix in fig 1.

To learn the Triplet algorithm, watch the video below.

Ref: <a href="https://www.youtube.com/watch?v=4MoSrMkWovM&feature=youtu.be">https://www.youtube.com/watch?v=4MoSrMkWovM&feature=youtu.be</a>

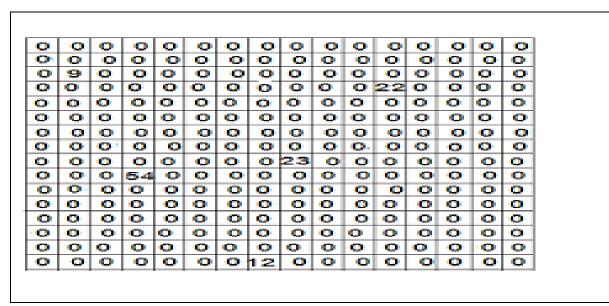


Fig 1. A sparse matrix

## Sample Session

```
The Triplet
          16
                    5
16
2
                    9
3
          11
                    22
8
          8
                    23
9
          3
                    54
15
          7
                    12
```