

3(b)

It puts N, M values to v, e (vertex, edge). Then it creates an adjacency list adj . It loops through next e lines of the input file, each containing 3 elements. The code appends a tuple of (u, w) to the list adj at index u in the adj list. This way, the adjacency list is filled with the adjacent vertices and their weights for each vertex. It loops through the adj list and writes each element to the output file, preceded by its index and a colon. This way, the adjacency list is printed.