```
class Graph:
                                                            def __init__(self, nodeNum, directed=True):
                                                              self.myNodeIP = nodeNum
                                                              self.rangeNodes = range(self.myNodelP)
                                                              self.edgesList = []
                                                              self.myMatrix = [[0 for column in
                                                         range(nodeNum)]
                                                                        for row in range(nodeNum)]
                                                              self.myDirected = directed
                                                              self.adjList = {node: set() for node in
                                                         self.rangeNodes}
                                                            def addEdge(self, node1, node2, connector):
           [0, 2, 1]
                                                              self.edgesList.append([node1, node2,
3: [0, 5, 1]
                                                              self.myMatrix[node1][node2] = connector
                                                              self.adjList[node1].add((node2,
                                                         connector))
                                                              if not self.myDirected:
                                                                self.edgesList.append([node1, node2,
                                                         connector])
                                                                self.myMatrix[node2][node1] =
                                                         connector
                                                                self.adjList[node2].add((node1,
                                                         connector))
                                                            def edgeList(self):
                                                              edgeCount = len(self.edgesList)
                                                              for i in range(edgeCount):
                                                                print("Edge ", i+1, ": ", self.edgesList[i])
                                                              print()
                                                            def matrix(self):
                                                              print(self.myMatrix)
                                                              print()
                                                            def myList(self):
                                                              for key in self.adiList.keys():
                                                                print("Node", key, ": ", self.adjList[key])
                                                         graph = Graph(6)
                                                         graph.addEdge(0, 2, 1)
                                                         graph.addEdge(0, 4, 1)
                                                         graph.addEdge(1, 2, 1)
                                                         graph.addEdge(3, 5, 1)
                                                         graph.addEdge(4, 5, 1)
                                                         graph.edgeList()
                                                         graph.matrix()
                                                         graph.myList()
```