

```
// Scenario 2 Dynamic Contact Conditoins
// We added these commands in switch statement in processOperations method in
RmitCovidModelling.java while we are generating data
// For example, if we evaluate edge additions of the graph, then type "S2AE"
// For example, if we evaluate edge deletions of the graph, then type "S2DE"
```

```
// Evaluation for edge additions
```

```
case "S2AE":
    long startTime = System.nanoTime();
    for(int i = 1; i < graph.getVerticesSize() + 1; i++) {
        for(int j = 1; j < graph.getVerticesSize() + 1; j++) {
            String i_string = String.valueOf(i);
            String j_string = String.valueOf(j);
            graph.addEdge(i_string, j_string);
        }
    }
    long endTime = System.nanoTime();
    outWriter.println("time taken = " + ((double)(endTime - startTime)) / Math.pow(10, 9) + "
sec");

    break;
```

```
// Evaluation for edge deletions
```

```
case "S2DE":
    long startTime = System.nanoTime();
    for(int i = 1; i < graph.getVerticesSize() + 1; i++) {
        for(int j = 1; j < graph.getVerticesSize() + 1; j++) {
            String i_string = String.valueOf(i);
            String j_string = String.valueOf(j);
            graph.deleteEdge(i_string, j_string);
        }
    }
    long endTime = System.nanoTime();
    outWriter.println("time taken = " + ((double)(endTime - startTime)) / Math.pow(10, 9) + "
sec");

    break;
```