**Rules for naming the key and value**

**In the class OptimizationData**

i is index, and it starts from 1.

**Object Function**: <objFunc> <value>

**Variable name**: <varNamei> <value>

**Lower Bounds**: <lowBndi> <value>

**Upper Bounds**: <upBndi> <value>

**Initial Value**: <initVali> <value>

**Gradient for Object Function**: <gradi> <value>

**Optimization Method:** <optMethod> <value>

**Inequality Constraints:** <inequalCnsti> <value>

**Gradient for the jth variable in ith Inequality Constraint Function**: <inequalGradij> <value>

**In the class InverseDataParser**

**Optimized Variable Value:** <optVali> <value>

**Minimum Object Function Value:** <minObjVal> <value>