Getting Started with JTable

Task 1:

- 1. Implement a simple Table on a Frame that
 - Adds pre-defined column header
 - Adds one row of pre-defined data
 - Deletes all existing rows
 - Search ID No.
 - Matching ID prompts a message with ID and Name
 - Else, "ID not found"
 - Delete the row only when it's selected

Code support:

```
public void showData() {
  // cast the Table model to DefaultTable Model
  DefaultTableModel model = (DefaultTableModel) MyTable.getModel();
  // remove existing rows
  for (int i = 0; i < model.getRowCount();i++) {
      model.removeRow(0);
  }
  // Two Collection classes (Vector) created for header and body
  Vector <String> header = new Vector <String>();

  Vector <String> datasetl = new Vector <String>();

  header.add("ID_No"); header.add("NAME");header.add("DEPT");header.add("SALARY");

  datasetl.add("001");datasetl.add("Tom");datasetl.add("ICT");datasetl.add("3000");

  Vector data = new Vector();
  data.add(datasetl);

  model.setDataVector(data, header);
  MyTable.setModel(model);
```

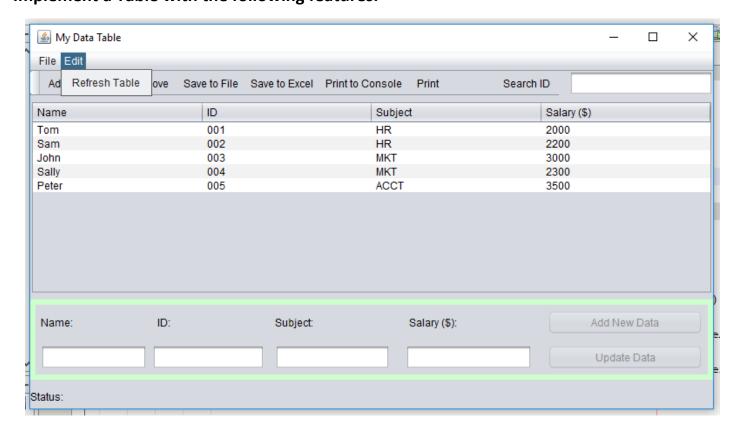
Task 2:

- 1. Implement a JTable with two buttons
 - a. Load Data loads data from a .txt file
 - b. Save Data saves data into a .txt file

Code Support:

```
private void loadData() {
 //String filename = "Table_Data.txt";
 File file = new File ("C:\\Users\\Admin\\Desktop\\Table Data.txt");
 try{
     FileReader fr = new FileReader(file);
     BufferedReader br = new BufferedReader(fr);
     String details;
     while ((details=br.readLine())!=null){
         StringTokenizer tkn = new StringTokenizer (details," ");
         String name = tkn.nextToken();
         String id = tkn.nextToken();
          String subject = tkn.nextToken();
          String salary = tkn.nextToken();
         Vector<String> dataset = new Vector<String>();
         dataset.add(name); dataset.add(id); dataset.add(subject); dataset.add(salary);
         data.add(dataset);
     changed=true;
     br.close(); fr.close();
}catch(Exception e) {
```

Task 3: Implement a Table with the following features:



Code support:

```
private void dataRefresh() {
  String filePath = "C:\\Users\\Admin\\Desktop\\Table Data.txt";
  File file = new File(filePath);
  try {
      FileReader fr = new FileReader(file);
      BufferedReader br = new BufferedReader(fr);
      DefaultTableModel model = (DefaultTableModel)tblData.getModel();
      Object[] lines = br.lines().toArray();
      int rowcount = model.getRowCount();
      for (int i = (rowcount - 1); i >= 0; i--) {
      model.removeRow(i);
      for(int i = 0; i < lines.length; i++){</pre>
          String[] row = lines[i].toString().split(" ");
          model.addRow(row);
      tblData.setModel(model);
  } catch (FileNotFoundException ex) {
      JOptionPane.showMessageDialog(rootPane, "Data couldn't be loaded", "Alert!", JOptionPane.ERROR_MESSAG
```