```
//Joshua Guzman September 9, 2023
/*Java program that does a simple evaluation for the data types of values in a
file. This Java program
will be able to automatically generate SQL insert statements */

import java.io.*;
import java.util.*;
import java.util.ArrayList;

public class Phase3Hw {
    public static void main(String[] args) {


         String tableName = args[0]; // Get the table name from command-line
argument
        try {
            //Create a file to write results to
            FileWriter outputfile = new FileWriter(tableName + ".sql");

            //Read the txt file
            File infile = new File(tableName + ".txt");
            Scanner input = new Scanner(infile);

            while (input.hasNextLine()) {
                String line =  input.nextLine();
                ArrayList<String> outputList = new ArrayList<>();

                // Split line on commas
                String[] values = line.split(",");

                String sqlTemplate= "INSERT INTO %s VALUES (%s);";

                for (String value : values) {
                    value = value.trim(); // Remove whitespace

                    if(value.equalsIgnoreCase("NULL")){
                        outputList.add("NULL");
                    } else if(isNumeric(value)){
                        outputList.add(value);
                    } else{
                        outputList.add("'" + value + "'");
                    }
                }

                // Generate output string
                String outputString = String.format(sqlTemplate, tableName,
String.join(", ", outputList));

                // Write output string to output file
                outputfile.write(outputString + "\n");
            }

            // Close file writer and scanner
            outputfile.close();
            input.close();


        } catch (FileNotFoundException e) {
            //Need to catch FNFE for FileWriter and Scanner
```

```
            System.out.println(e.getMessage());
        }
          catch (IOException e) {
            System.out.println(e.getMessage());
        }

    }
    //check if string is int or float
         private static boolean isNumeric(String str) {
        try {
            Double.parseDouble(str);
            return true;
        } catch (NumberFormatException e) {
            return false;
        }
    }
}
```