

Setup.java

```
/*
 * Countries of the World App 1.5
 * Setup.java "Setup"
 * Waleed Gudah
 *
 */

public class Setup {

    private RawData rd;
    private CountryData dataTable;
    private CountryIndex dataIndex;
    private TheLog tLog;

    public void setupMain(String fileName) {

        tLog = new TheLog();

        tLog.statusCode("Setup Started");

        this.rd = new RawData(fileName, tLog);

        dataTable = new CountryData(tLog, "Setup");

        dataIndex = new CountryIndex(tLog);

        insert1Record();

        finishUp();
    }

    // *****//
    // This method calls RawData for one Record, then passes the record to
    // the "Table" //
    // *****//

    public void insert1Record() {

        while (rd.nextRecord() == true) {

            int rrn = toDataTable(dataTable, rd);

        }

        rd.finishUp();

    }

    // *****//
    // This method is called by insert1Record(), it passes RawDatas fields to
    // CountryData and returns the RRRN to be used by CountryIndex //
    // *****//

    public int toDataTable(CountryData dataTable, RawData RD) {

        int rrn = dataTable.insertSetup(RD.getId(), RD.getCountryCode(),
            RD.getName(),

            RD.getContinent(), RD.getSize(), RD.getPopulation(),

            RD.getLifeExp());

        return rrn;
    }
}
```

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```
// *****  
public void finishUp() {  
    tLog.statusCode("Setup Finished - " + dataTable.getNumberOfRecords()  
        + " countries processed");  
    dataIndex = new CountryIndex(tLog);  
    dataIndex.closeFile();  
    dataTable.finishUp(true);  
    tLog.finishUp();  
}  
// *****
```