**Log for Countries**

**npm install express**

**npm install sequelize pg pg-hstore**

**sequelize init**

**sequelize db:create**

**sequelize model:generate --name Country --attributes alpha3Code:string,name:string**

Add the rest of the properties to both model and migration, in the latter leave the timestamps, change to lowercase the table name (countries) in the migration,

Change Sequelize to DataTypes in the migration

In the model add tablename with lowercase to the bottom of the definition

        sequelize,

        tableName: 'countries',

        modelName: 'Country',

**sequelize model:generate --name Activity --attributes actId:integer,name:string**

Add the rest of the properties to both model and migration, in the latter leave the timestamps, change to lowercase the table name (activities) in the migration,

Change Sequelize to DataTypes in the migration

In the model add tablename with lowercase to the bottom of the definition

        sequelize,

        tableName: 'activity',

        modelName: 'Activity',

Now we’ll define the relation between Country and Activity: **Country** 1---\* **Country\_Activity** \*---1 **Activity**

**sequelize model:generate --name Country\_Activity --attributes CA\_alpha3Code:string,CA\_ActId:string** // Notice that we used CA\_alpha…

Define the associations like:

*class* Country\_Activity extends *Model* {

        static *associate*(*models*) {

*// define association here*

            this.*belongsTo*(models.Activity, { foreignKey: CA\_actId })

            this.*belongsTo*(models.Country, { foreignKey: CA\_alpha3Code })

        }

    };

BelongsTo associations require the foreignkey to be declared in the current model

In the Country model

        static *associate*(*models*) {

*// define association here*

            this.*hasMany*(models.Country\_Activity, { foreignKey: CA\_alpha3Code })

        }

And in the Activity model

        static *associate*(*models*) {

*// define association here*

            this.*hasMany*(models.Country\_Activity, { foreignKey: CA\_actId })

        }

HasMany associations require the foreignKey to be declared in the associated model

**sequelize db:migrate**

Now, check the database and see the 3 tables defined