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| DROP TABLE IF EXISTS Client\_Company;  CREATE TABLE Client\_Company (  Company\_ID NUMERIC(5) NOT NULL PRIMARY KEY,  Company\_name VARCHAR(50) NOT NULL,  Services\_SA\_Type ENUM ('Cooperative Agreement', 'Contract', 'Grant'),  Guarantee\_time NUMERIC(5) NOT NULL  ); |
| INSERT INTO Client\_Company (Company\_ID, Company\_name, Services\_SA\_Type, Guarantee\_time) VALUES ("1","Alfa","Contract","2");  INSERT INTO Client\_Company (Company\_ID, Company\_name, Services\_SA\_Type, Guarantee\_time) VALUES ("2","Beta","Cooperative Agreement","3");  INSERT INTO Client\_Company (Company\_ID, Company\_name, Services\_SA\_Type, Guarantee\_time) VALUES ("234","Graham","Contract","4"); |
| DROP TABLE IF EXISTS Company\_Site;  CREATE TABLE Company\_Site (  Site\_ID NUMERIC(5) NOT NULL PRIMARY KEY,  Company\_ID NUMERIC(5) NOT NULL,  Turbine\_ID NUMERIC(5) NOT NULL,  Location VARCHAR(100),  Site\_name VARCHAR(30),  Foreign key (Company\_ID) references Client\_Company (Company\_ID)  ); |
| INSERT INTO Company\_Site (Site\_ID, Company\_ID, Turbine\_ID, Location) VALUES ("1","1"," 1","London");  INSERT INTO Company\_Site (Site\_ID, Company\_ID, Turbine\_ID, Location) VALUES ("2","1"," 2","Sofia");  INSERT INTO Company\_Site (Site\_ID, Company\_ID, Turbine\_ID, Location) VALUES ("3","2"," 3","Tokyo");  INSERT INTO Company\_Site (Site\_ID, Company\_ID, Turbine\_ID, Location) VALUES ("4","2"," 4","Orlando"); |
| DROP TABLE IF EXISTS Master\_Turbine;  CREATE TABLE Master\_Turbine (  Turbine\_ID NUMERIC(5) NOT NULL PRIMARY KEY,  Site\_ID NUMERIC(5) NOT NULL,  Type\_Turbine ENUM ('Gas', 'Steam'),  Foreign key (Site\_ID) references Company\_Site (Site\_ID)  ); |
| INSERT INTO Master\_Turbine (Turbine\_ID, Site\_ID, Type\_Turbine) VALUES ("1","1","Steam");  INSERT INTO Master\_Turbine (Turbine\_ID, Site\_ID, Type\_Turbine) VALUES ("2","1","Gas");  INSERT INTO Master\_Turbine (Turbine\_ID, Site\_ID, Type\_Turbine) VALUES ("3","2","Steam");  INSERT INTO Master\_Turbine (Turbine\_ID, Site\_ID, Type\_Turbine) VALUES ("4","2","Gas"); |
| DROP TABLE IF EXISTS Turbine\_KPI;  CREATE TABLE Turbine\_KPI (  KPI\_ID NUMERIC(20) NOT NULL PRIMARY KEY,  Turbine\_ID NUMERIC(5) NOT NULL,  Date\_Checked VARCHAR(30),  Output VARCHAR(30),  Heat\_Rate VARCHAR(30),  Compressor VARCHAR(30),  Availability VARCHAR(30),  Realibility VARCHAR(30),  Fired\_Hours VARCHAR(30),  Trips NUMERIC(1),  Start NUMERIC(1),  Foreign key (Turbine\_ID) references Master\_Turbine (Turbine\_ID)  ); |
| DROP TABLE IF EXISTS Issue\_Report;  CREATE TABLE Issue\_Report (  IR\_ID NUMERIC(10) NOT NULL PRIMARY KEY,  Turbine\_ID NUMERIC(5) NOT NULL,  IR\_Description VARCHAR(300),  Date\_Entered VARCHAR(30),  Username VARCHAR(30) NOT NULL,  CONSTRAINT FOREIGN KEY (Turbine\_ID) references Master\_Turbine (Turbine\_ID),  CONSTRAINT FOREIGN KEY (Username) references User (Username)  ); |
| INSERT INTO Issue\_Report (IR\_ID, Turbine\_ID, IR\_Description, Date\_Entered, Username) VALUES ("1", "1", "There was an issue experienced in turbine 1", "02.08.2016", "AdminStef"); |
| DROP TABLE IF EXISTS User;  CREATE TABLE User (  Username VARCHAR(30) NOT NULL PRIMARY KEY,  Password VARCHAR(64) NOT NULL,  User\_Email VARCHAR(60),  User\_Type ENUM ('SM', 'Admin', ' RMandD')  ); |
| INSERT INTO User (Username, Password, User\_Email, User\_Type) VALUES ("AdminStef", "blueteamturbine", "Stefan.baterbee@ge.com", "Admin"); |
| LOAD DATA LOCAL INFILE '/var/www/html/mysql/Book1.data'  INTO TABLE Turbine\_KPI  FIELDS TERMINATED BY ','  ENCLOSED BY '"'  LINES TERMINATED BY '\n'  IGNORE 1 ROWS; |