# **DATABASE CODE**

# **Project Phase 1**

**CREATING TEACHERS TABLE**

create table Teacher(Teacher\_ID Numeric(8,0) NOT NULL PRIMARY KEY,

Prefix Varchar(10),

First\_Post\_Date Varchar(15));

**LOADING TEACHERS\_FINAL.CSV INTO TEACHERS TABLE**

LOAD DATA LOCAL INFILE ‘/home/centos/Teachers\_Final.csv’

INTO TABLE Teacher

FIELDS TERMINATED BY ‘,’

ENCLOSED BY ‘”’

LINES TERMINATED BY ‘\n’

IGNORE 1 ROWS

**CREATING STATES TABLE**

create table State(State\_ID Numeric(2,0) NOT NULL PRIMARY KEY,

State Varchar(30));

**LOADING STATES\_FINAL.CSV INTO STATE TABLE**

LOAD DATA LOCAL INFILE ‘/home/centos/States\_Final.csv’

INTO TABLE State

FIELDS TERMINATED BY ‘,’

ENCLOSED BY ‘”’

LINES TERMINATED BY ‘\n’

IGNORE 1 ROWS

**CREATING DONORS TABLE**

create table Donor(Donor\_ID Numeric(8,0) NOT NULL PRIMARY KEY,

City Varchar(35),

Is\_Teacher Varchar(5),

ZIP Varchar(5),

State\_ID Numeric(2,0));

**LOADING DONORS\_FINAL.CSV INTO DONOR TABLE**

LOAD DATA LOCAL INFILE ‘/home/centos/Donors\_Final.csv’

INTO TABLE Donor

FIELDS TERMINATED BY ‘,’

ENCLOSED BY ‘”’

LINES TERMINATED BY ‘\n’

IGNORE 1 ROWS

**CREATING METRO TYPE TABLE**

create table Metro\_Type(Metro\_Type\_ID Numeric(2,0) NOT NULL PRIMARY KEY,

Metro\_Type Varchar(10));

**LOADING METRO\_TYPE\_FINAL.CSV INTO Metro\_Type TABLE**

LOAD DATA LOCAL INFILE ‘/home/centos/Metro\_Type\_Final.csv’

INTO TABLE Metro\_Type

FIELDS TERMINATED BY ‘,’

ENCLOSED BY ‘”’

LINES TERMINATED BY ‘\n’

IGNORE 1 ROWS

**CREATING SCHOOLS TABLE**

create table School(School\_ID Numeric(8,0) NOT NULL PRIMARY KEY,

School\_Name Varchar(100),

Metro\_Type\_ID numeric(2,0),

Percentage\_Free\_Lunch varchar(5),

ZIP Varchar(5),

City varchar(13),

County varchar(30),

District varchar(100),

State\_ID Numeric(2,0)

FOREIGN KEY(State\_ID) REFERENCES States(State\_ID));

**LOADING SCHOOLS\_FINAL.CSV INTO SCHOOLS TABLE**

LOAD DATA LOCAL INFILE ‘/home/centos/Schools\_Final.csv’

INTO TABLE School

FIELDS TERMINATED BY ‘,’

ENCLOSED BY ‘”’

LINES TERMINATED BY ‘\n’

IGNORE 1 ROWS

**CREATING SUBJECTS CATEGORY TABLE**

create table Subject\_Category(Subject\_Category\_ID numeric(2,0) NOT NULL PRIMARY KEY,

Subject\_Category varchar(35));

**LOADING SUBJECT\_CATEGORY\_FINAL.CSV INTO SUBJECT\_CATEGORY TABLE**

LOAD DATA LOCAL INFILE ‘/home/centos/Subject\_Category \_Final.csv’

INTO TABLE Subject\_Category

FIELDS TERMINATED BY ‘,’

ENCLOSED BY ‘”’

LINES TERMINATED BY ‘\n’

IGNORE 1 ROWS

**CREATING SUBJECTS SUB CATEGORY TABLE**

create table Subject\_Sub\_Category(Subject\_Sub\_Category\_ID numeric(2,0) NOT NULL PRIMARY KEY,

Subject\_Sub\_Category varchar(35));

**LOADING SUBJECT\_\_SUB\_CATEGORY\_FINAL.CSV INTO SUBJECT\_SUB\_CATEGORY TABLE**

LOAD DATA LOCAL INFILE ‘/home/centos/Subject\_Sub\_Category \_Final.csv’

INTO TABLE Subject\_Sub\_Category

FIELDS TERMINATED BY ‘,’

ENCLOSED BY ‘”’

LINES TERMINATED BY ‘\n’

IGNORE 1 ROWS

**CREATING PROJECTS TYPE TABLE**

create table Project\_Type(Project\_Type\_ID numeric(2,0) NOT NULL PRIMARY KEY,

Project\_Type varchar(30));

**LOADING PROJECT\_TYPE\_FINAL.CSV INTO PROJECT\_TYPE TABLE**

LOAD DATA LOCAL INFILE ‘/home/centos/Project\_Type \_Final.csv’

INTO TABLE Project\_Type

FIELDS TERMINATED BY ‘,’

ENCLOSED BY ‘”’

LINES TERMINATED BY ‘\n’

IGNORE 1 ROWS

**CREATING GRADE LEVEL TABLE**

create table Grade\_Level(Grade\_Level\_ID numeric(2,0) NOT NULL PRIMARY KEY,

Grade\_Level varchar(20));

**LOADING GRADE\_LEVEL\_FINAL.CSV INTO GRADE\_LEVEL TABLE**

LOAD DATA LOCAL INFILE ‘/home/centos/Grade\_Level \_Final.csv’

INTO TABLE Grade\_Level

FIELDS TERMINATED BY ‘,’

ENCLOSED BY ‘”’

LINES TERMINATED BY ‘\n’

IGNORE 1 ROWS

**CREATING RESOURCE CATEGORY TABLE**

create table Resource\_Category(Resource\_Category\_ID numeric(2,0) NOT NULL PRIMARY KEY,

Resource\_Category varchar(40));

**LOADING RESOURCES\_FINAL.CSV INTO RESOURCE\_CATEGORY TABLE**

LOAD DATA LOCAL INFILE ‘/home/centos/Resources\_Final.csv’

INTO TABLE Resource\_Category

FIELDS TERMINATED BY ‘,’

ENCLOSED BY ‘”’

LINES TERMINATED BY ‘\n’

IGNORE 1 ROWS

**CREATING PROJECT STATUS TABLE**

create table Project\_Status(Project\_Status\_ID numeric(2,0) NOT NULL PRIMARY KEY,

Project\_Status varchar(15));

**LOADING PROJECT\_STATUS\_FINAL.CSV INTO PROJECT\_STATUS TABLE**

LOAD DATA LOCAL INFILE ‘/home/centos/Project\_Status \_Final.csv’

INTO TABLE Project\_Status

FIELDS TERMINATED BY ‘,’

ENCLOSED BY ‘”’

LINES TERMINATED BY ‘\n’

IGNORE 1 ROWS

**CREATING DONATIONS TABLE**

create table Donation(Donation\_ID numeric(8,0) NOT NULL PRIMARY KEY,

Project\_ID numeric(8,0),

Donor\_ID NUMERIC(8,0),

Optional\_Donation varchar(5),

Amount varchar(10),

Cart\_Sequence varchar(10),

Received\_Date varchar(25)

FOREIGN KEY(Donor\_ID) REFERENCES Donor(Donor\_ID));

**LOADING DONATIONS\_FINAL.CSV INTO DONATIONS TABLE**

LOAD DATA LOCAL INFILE ‘/home/centos/Donations\_Final.csv’

INTO TABLE Donations

FIELDS TERMINATED BY ‘,’

ENCLOSED BY ‘”’

LINES TERMINATED BY ‘\n’

IGNORE 1 ROWS

**CREATING PROJECT TABLE**

create table Project(Project\_ID numeric(8,0) NOT NULL PRIMARY KEY,

Teacher\_ID numeric(8,0),

School\_ID numeric(8,0),

Posted\_Sequence varchar(5),

Title varchar(200),

Short\_Description varchar(500),

Needs\_Statement varchar(2000),

Cost varchar(10),

Project\_Type\_ID numeric(2,0),

Grade\_Level\_ID numeric(2,0),

Resource\_Category\_ID numeric(2,0),

Subject\_Category\_ID\_1 numeric(2,0),

Subject\_Category\_ID\_2 numeric(2,0),

Subject\_Category\_ID\_3 numeric(2,0),

Subject\_Sub\_Category\_ID\_1 numeric(2,0),

Subject\_Sub\_Category\_ID\_2 numeric(2,0),

Subject\_Sub\_Category\_ID\_3 numeric(2,0),

Project\_Status\_ID numeric(2,0),

Posted\_Date varchar(15),

Expiration\_Date varchar(15),

Fully\_Funded\_Date varchar(15)

FOREIGN KEY(Teacher\_ID) REFERENCES Teacher(Teacher\_ID)

FOREIGN KEY(School\_ID) REFERENCES School(School\_ID)

FOREIGN KEY(Project\_Type\_ID) REFERENCES Project\_Type(Project\_Type\_ID)

FOREIGN KEY(Grade\_Level\_ID) REFERENCES Grade\_Level(Grade\_Level\_ID)

FOREIGN KEY(Resource\_Category\_ID) REFERENCES Resource\_Category(Resource\_Category\_ID)

FOREIGN KEY(Subject\_Category\_ID) REFERENCES Subject\_Category(Subject\_Category\_ID)

FOREIGN KEY(Subject\_Sub\_Category\_ID) REFERENCES Subject\_Sub\_Category(Subject\_Sub\_Category\_ID));

**LOADING PROJECTS\_FINAL.CSV INTO PROJECTS TABLE**

LOAD DATA LOCAL INFILE ‘/home/centos/Projects\_Final.csv’

INTO TABLE Projects

FIELDS TERMINATED BY ‘,’

ENCLOSED BY ‘”’

LINES TERMINATED BY ‘\n’

IGNORE 1 ROWS