**MySQL Workbench Code**

# Nations Table

CREATE TABLE Nations(

nationID int NOT NULL,

typeOfShip varchar(4),

PRIMARY KEY(nationID));

# Ships Table

CREATE TABLE Ships(

noOfShip varchar(4),

nameOfShip varchar(30) NOT NULL,

nationID int NOT NULL,

PRIMARY KEY(nameOfShip),

FOREIGN KEY(nationID) REFERENCES Nations(nationID));

# Staff Table

CREATE TABLE Staff(

captianName varchar(30) NOT NULL,

rank varchar(20),

nameOfShip varchar(30) NOT NULL,

PRIMARY KEY(captianName),

FOREIGN KEY (nameOfShip) REFERENCES Ships (nameOfShip));

# Weapons

CREATE TABLE Weapons(

MainBattery varchar(20) NOT NULL,

hull varchar(20),

torpedos varchar(10),

nameOfShip varchar(30) NOT NULL,

PRIMARY KEY(MainBattery),

FOREIGN KEY (nameOfShip) REFERENCES Ships (nameOfShip));

# Weapon Systems Table

CREATE TABLE WeaponSystems(

GunFireControl varchar(20) NOT NULL,

engineMod varchar(30),

MainBattery varchar(20) NOT NULL,

PRIMARY KEY(GunFireControl),

FOREIGN KEY (MainBattery) REFERENCES Weapons (MainBattery));

# INSERT QUIRES

#INSERT INTO Nations VALUES(100, 'BB');

#INSERT INTO Nations VALUES(101, 'CL');

#INSERT INTO Nations VALUES(102, 'DD');

#INSERT INTO Ships VALUES(1130, 'New York', 100);

#INSERT INTO Ships VALUES(1240, 'Omaha', 101);

#INSERT INTO Ships VALUES(1350, 'Bogue', 102);

#INSERT INTO Weapons VALUES('356mm/45 Mk2', 'New York(B)', 'Mark 12','New York');

#INSERT INTO Weapons VALUES('152 mm/53 Mk13/Mk16', 'Omaha(C)', 'Mark 11', 'Omaha');

#INSERT INTO Weapons VALUES('Planes', 'Bogue(B)', 'Mark 10','Bogue' );

#INSERT INTO Staff VALUES('Charles Powers' , 'Rear Admiral','New York');

#INSERT INTO Staff VALUES('David Dickinson' , 'Captain','Omaha');

#INSERT INTO Staff VALUES('Peter Reed' , 'Vice Admiral','Bogue');

#INSERT INTO WeaponSystems VALUES('Mk5 mod.2', 'Propulsion: 28,100 hp', '356mm/45 Mk2');

#INSERT INTO WeaponSystems VALUES('Mk5 mod.1.5', 'Propulsion: 90,000 hp', '152 mm/53 Mk13/Mk16');

#INSERT INTO WeaponSystems VALUES('Mk5 mod.1', 'Propulsion: 8,500 hp', 'Planes');