# Code for creating Database and Tables

CREATE TABLE Users (

userId INT NOT NULL PRIMARY KEY AUTO\_INCREMENT,

username VARCHAR(20) NOT NULL,

password TEXT NOT NULL,

dateJoined DATE DEFAULT CURRENT\_DATE,

isAdmin BOOLEAN

);

INSERT INTO Users (username, password, isAdmin)

VALUES

("chris", "fishandchips", 0);

INSERT INTO Users (username, password, isAdmin)

VALUES

("admin", "password", 1);

UPDATE Users

SET password = "$2y$10$zoAW4SY13p1BQz0HD81Hte8Pi6AbDSWdQef4bvqZawJEPtoMR5pKS"

WHERE userId = 1;

UPDATE Users

SET password = "$2y$10$0DTKrN1.96bSniLN85bQoeNjF8bVEUsMAKlhyxg9P/GWxn5gDQGr."

WHERE userId = 2;

CREATE TABLE Scores (

gameId INT NOT NULL PRIMARY KEY AUTO\_INCREMENT,

userId INT NOT NULL,

score INT NOT NULL,

attemptDate DATE DEFAULT CURRENT\_DATE,

FOREIGN KEY (userId) REFERENCES Users(userId)

);

INSERT INTO Scores (userId, score)

VALUES

(1, 10), (1, 5), (1, 7), (1, 6);

SELECT score, attemptDate

FROM Scores

JOIN Users ON Users.userId = Scores.userId

WHERE Users.username = "chris";

CREATE TABLE StructureQ (

structureId INT NOT NULL PRIMARY KEY AUTO\_INCREMENT,

molecule TEXT NOT NULL,

answer VARCHAR(30) NOT NULL,

incorrect1 VARCHAR(30) NOT NULL,

incorrect2 VARCHAR(30) NOT NULL,

incorrect3 VARCHAR(30) NOT NULL,

difficulty int NOT NULL

);

INSERT INTO StructureQ (molecule, answer, incorrect1, incorrect2, incorrect3, difficulty)

VALUES

('c1ccccc1', 'benzene', 'toluene', 'methanol', 'ethanol', 1),

('CCO', 'ethanol', 'methanol', 'propanol', 'butanol', 1),

('CN', 'methylamine', 'ethylamine', 'propylamine', 'butylamine', 1),

('C1CCCC1', 'cyclopentane', 'cyclopentene', 'cyclohexane', 'cyclohexene', 1),

('CN4CC[C@]23c1c5ccc(O)c1O[C@H]2[C@@H](O)C=C[C@H]3[C@H]4C5', 'morphine', 'aspirin', 'codein', 'heroin', 1),

('CC(=O)Oc1ccc2C[C@@H]5[C@@H]3C=C[C@H](OC(C)=O)[C@@H]4Oc1c2[C@]34CCN5C', 'heroin', 'morphine', 'oxycodone', 'cocaine', 1),

('COC(=O)[C@H]2[C@@H](OC(=O)c1ccccc1)C[C@@H]3CC[C@H]2N3C', 'cocaine', 'dopamine', 'caffeine', 'ethanol', 1),

('Cn1cnc2c1c(=O)n(C)c(=O)n2C', 'caffeine', 'ethanol', 'cocaine', 'heroin', 1);

SELECT molecule, answer, incorrect1, incorrect2, incorrect3

FROM StructureQ;