**DATABASE OF QUIZ MANAGEMENT SYSTEM**

**DATABASE**

quiz\_management;

USE quiz\_management;

-- Table for storing users

CREATE TABLE users (

user\_id INT AUTO\_INCREMENT PRIMARY KEY,

user\_name VARCHAR(100) NOT NULL,

user\_mobile VARCHAR(15),

user\_email VARCHAR(100),

user\_address TEXT

);

-- Table for login information

CREATE TABLE login (

login\_id INT AUTO\_INCREMENT PRIMARY KEY,

login\_username VARCHAR(50) NOT NULL UNIQUE,

user\_password VARCHAR(255) NOT NULL,

login\_role\_id INT,

FOREIGN KEY (login\_role\_id) REFERENCES roles(role\_id)

);

-- Table for user roles

CREATE TABLE roles (

role\_id INT AUTO\_INCREMENT PRIMARY KEY,

role\_name VARCHAR(50) NOT NULL,

role\_desc TEXT

);

-- Table for permissions

CREATE TABLE permission (

per\_id INT AUTO\_INCREMENT PRIMARY KEY,

per\_role\_id INT,

per\_name VARCHAR(50),

per\_module VARCHAR(50),

FOREIGN KEY (per\_role\_id) REFERENCES roles(role\_id)

);

-- Table for participants

CREATE TABLE participate (

par\_id INT AUTO\_INCREMENT PRIMARY KEY,

par\_name VARCHAR(100) NOT NULL,

par\_mobile VARCHAR(15),

par\_add TEXT,

par\_pass VARCHAR(255),

par\_email VARCHAR(100)

);

-- Table for quizzes

CREATE TABLE quiz (

quiz\_id INT AUTO\_INCREMENT PRIMARY KEY,

quiz\_desc TEXT NOT NULL,

quiz\_type VARCHAR(50)

);

-- Table for scores

CREATE TABLE score (

scr\_id INT AUTO\_INCREMENT PRIMARY KEY,

scr\_desc TEXT,

scr\_type VARCHAR(50),

scr\_name VARCHAR(100),

scr\_total INT,

quiz\_id INT,

FOREIGN KEY (quiz\_id) REFERENCES quiz(quiz\_id)

);

-- Table for prizes

CREATE TABLE prize (

prz\_id INT AUTO\_INCREMENT PRIMARY KEY,

prz\_name VARCHAR(100),

prz\_type VARCHAR(50),

prz\_desc TEXT,

prz\_winr\_id INT,

FOREIGN KEY (prz\_winr\_id) REFERENCES score(scr\_id)

);

-- Mapping users to roles

ALTER TABLE users

ADD COLUMN role\_id INT,

ADD FOREIGN KEY (role\_id) REFERENCES roles(role\_id);

-- Mapping users to logins

ALTER TABLE login

ADD COLUMN user\_id INT,

ADD FOREIGN KEY (user\_id) REFERENCES users(user\_id);

-- Mapping participants to quizzes

ALTER TABLE participate

ADD COLUMN quiz\_id INT,

ADD FOREIGN KEY (quiz\_id) REFERENCES quiz(quiz\_id);