-- USERS TABLE

CREATE TABLE users (

id INT AUTO\_INCREMENT PRIMARY KEY,

name VARCHAR(100) NOT NULL,

email VARCHAR(100) UNIQUE NOT NULL,

password VARCHAR(255) NOT NULL,

department VARCHAR(100),

score INT DEFAULT NULL

);

-- QUESTIONS TABLE

CREATE TABLE questions (

id INT AUTO\_INCREMENT PRIMARY KEY,

question TEXT NOT NULL,

option\_a VARCHAR(255) NOT NULL,

option\_b VARCHAR(255) NOT NULL,

option\_c VARCHAR(255) NOT NULL,

option\_d VARCHAR(255) NOT NULL,

correct\_answer ENUM('A', 'B', 'C', 'D') NOT NULL

);

-- USER ATTEMPTS TABLE

CREATE TABLE user\_attempts (

id INT AUTO\_INCREMENT PRIMARY KEY,

user\_id INT NOT NULL,

question\_id INT NOT NULL,

attempt\_time DATETIME NOT NULL,

FOREIGN KEY (user\_id) REFERENCES users(id) ON DELETE CASCADE,

FOREIGN KEY (question\_id) REFERENCES questions(id) ON DELETE CASCADE

);

CREATE TABLE user\_attempts (

id INT(11) NOT NULL AUTO\_INCREMENT,

user\_id INT(11) NOT NULL,

question\_id INT(11) NOT NULL,

attempt\_time TIMESTAMP NOT NULL DEFAULT CURRENT\_TIMESTAMP,

PRIMARY KEY (id)

);

CREATE TABLE users (

id INT(11) NOT NULL AUTO\_INCREMENT,

username VARCHAR(255) NOT NULL UNIQUE,

department VARCHAR(100) NOT NULL,

email VARCHAR(255) NOT NULL UNIQUE,

password VARCHAR(255) NOT NULL,

score INT(11) NULL,

PRIMARY KEY (id)

);

CREATE TABLE questions (

id INT AUTO\_INCREMENT PRIMARY KEY,

question TEXT NOT NULL,

option\_a VARCHAR(255) NOT NULL,

option\_b VARCHAR(255) NOT NULL,

option\_c VARCHAR(255) NOT NULL,

option\_d VARCHAR(255) NOT NULL,

correct\_answer ENUM('A', 'B', 'C', 'D') NOT NULL

);

CREATE TABLE admin (

id INT(11) NOT NULL AUTO\_INCREMENT,

username VARCHAR(255) NOT NULL UNIQUE,

email VARCHAR(255) NOT NULL UNIQUE,

password VARCHAR(255) NOT NULL,

PRIMARY KEY (id)

);

CREATE TABLE quiz\_timers (

id INT(11) NOT NULL AUTO\_INCREMENT,

user\_id INT(11) NOT NULL,

start\_time TIMESTAMP NOT NULL DEFAULT CURRENT\_TIMESTAMP,

end\_time DATETIME NOT NULL, -- Change TIMESTAMP to DATETIME

PRIMARY KEY (id),

FOREIGN KEY (user\_id) REFERENCES users(id) ON DELETE CASCADE

);

CREATE TABLE teachers (

id INT AUTO\_INCREMENT PRIMARY KEY,

username VARCHAR(100) NOT NULL UNIQUE,

email VARCHAR(100) NOT NULL UNIQUE,

department VARCHAR(100) NOT NULL,

password VARCHAR(255) NOT NULL,

created\_at TIMESTAMP DEFAULT CURRENT\_TIMESTAMP

);

INSERT INTO questions (question, option\_a, option\_b, option\_c, option\_d, correct\_answer) VALUES

('What is the capital of France?', 'Berlin', 'Madrid', 'Paris', 'Rome', 'C'),

('Which planet is known as the Red Planet?', 'Earth', 'Mars', 'Jupiter', 'Venus', 'B'),

('What is the largest ocean on Earth?', 'Atlantic Ocean', 'Indian Ocean', 'Arctic Ocean', 'Pacific Ocean', 'D'),

('Who wrote "Romeo and Juliet"?', 'Charles Dickens', 'William Shakespeare', 'Jane Austen', 'Mark Twain', 'B'),

('What is the square root of 64?', '6', '7', '8', '9', 'C'),

('Which is the longest river in the world?', 'Amazon River', 'Nile River', 'Yangtze River', 'Mississippi River', 'B'),

('What is the chemical symbol for gold?', 'Ag', 'Au', 'Pb', 'Fe', 'B'),

('How many continents are there on Earth?', '5', '6', '7', '8', 'C'),

('What is the boiling point of water in Celsius?', '90°C', '95°C', '100°C', '105°C', 'C'),

('Who painted the Mona Lisa?', 'Vincent van Gogh', 'Pablo Picasso', 'Leonardo da Vinci', 'Claude Monet', 'C'),

('Which is the smallest country in the world?', 'Monaco', 'Malta', 'Vatican City', 'Liechtenstein', 'C'),

('What is the capital of Japan?', 'Beijing', 'Seoul', 'Bangkok', 'Tokyo', 'D'),

('Which gas do plants use for photosynthesis?', 'Oxygen', 'Carbon Dioxide', 'Nitrogen', 'Hydrogen', 'B'),

('How many legs does a spider have?', '4', '6', '8', '10', 'C'),

('What is the largest planet in our solar system?', 'Mars', 'Earth', 'Saturn', 'Jupiter', 'D'),

('Who discovered gravity?', 'Isaac Newton', 'Albert Einstein', 'Galileo Galilei', 'Nikola Tesla', 'A'),

('What is the national currency of the USA?', 'Euro', 'Dollar', 'Pound', 'Yen', 'B'),

('How many sides does a hexagon have?', '4', '5', '6', '7', 'C'),

('Which element is necessary for breathing?', 'Oxygen', 'Carbon', 'Hydrogen', 'Helium', 'A'),

('Which famous scientist developed the theory of relativity?', 'Isaac Newton', 'Nikola Tesla', 'Albert Einstein', 'Galileo Galilei', 'C'),

('Which is the fastest land animal?', 'Cheetah', 'Leopard', 'Lion', 'Tiger', 'A'),

('What is the powerhouse of the cell?', 'Nucleus', 'Ribosome', 'Mitochondria', 'Golgi Apparatus', 'C'),

('Which is the coldest planet in the solar system?', 'Neptune', 'Uranus', 'Saturn', 'Mars', 'B'),

('What is the main ingredient in traditional Japanese miso soup?', 'Tofu', 'Seaweed', 'Miso paste', 'Soy sauce', 'C'),

('Which continent is known as the "Dark Continent"?', 'Asia', 'Africa', 'South America', 'Europe', 'B'),

('What is the hardest natural substance on Earth?', 'Gold', 'Iron', 'Diamond', 'Quartz', 'C'),

('Which blood type is the universal donor?', 'A', 'B', 'O', 'AB', 'C'),

('Who is the Greek god of war?', 'Zeus', 'Ares', 'Hades', 'Poseidon', 'B'),

('What does CPU stand for?', 'Central Processing Unit', 'Central Power Unit', 'Central Performance Utility', 'Central Programming Unit', 'A'),

('Which is the largest mammal on Earth?', 'Elephant', 'Blue Whale', 'Giraffe', 'Hippopotamus', 'B'),

('How many bones are there in the adult human body?', '200', '206', '212', '218', 'B'),

('What is the largest desert in the world?', 'Sahara Desert', 'Arabian Desert', 'Gobi Desert', 'Antarctic Desert', 'D'),

('Which vitamin is produced in the human body when exposed to sunlight?', 'Vitamin A', 'Vitamin B', 'Vitamin C', 'Vitamin D', 'D'),

('What is the capital of Canada?', 'Toronto', 'Ottawa', 'Vancouver', 'Montreal', 'B'),

('Which country is known as the Land of the Rising Sun?', 'China', 'South Korea', 'Japan', 'Vietnam', 'C'),

('Which is the longest bone in the human body?', 'Humerus', 'Femur', 'Tibia', 'Fibula', 'B'),

('Which organ pumps blood throughout the body?', 'Lungs', 'Brain', 'Heart', 'Liver', 'C'),

('What is the national animal of India?', 'Elephant', 'Tiger', 'Lion', 'Peacock', 'B'),

('Which ocean separates the United States from Europe?', 'Indian Ocean', 'Pacific Ocean', 'Atlantic Ocean', 'Arctic Ocean', 'C'),

('What is the currency of the United Kingdom?', 'Euro', 'Pound Sterling', 'Dollar', 'Rupee', 'B'),

('Who invented the telephone?', 'Albert Einstein', 'Alexander Graham Bell', 'Nikola Tesla', 'Isaac Newton', 'B'),

('Which gas is used in balloons to make them float?', 'Oxygen', 'Carbon Dioxide', 'Hydrogen', 'Helium', 'D'),

('What is the capital of Australia?', 'Sydney', 'Melbourne', 'Canberra', 'Perth', 'C'),

('Which part of the human body contains the most bones?', 'Hand', 'Foot', 'Skull', 'Spine', 'B'),

('Which layer of the Earth is liquid?', 'Crust', 'Mantle', 'Outer Core', 'Inner Core', 'C'),

('Which of the following is NOT a primary color?', 'Red', 'Green', 'Blue', 'Yellow', 'B'),

('How many players are there in a standard soccer team?', '9', '10', '11', '12', 'C'),

('What is the freezing point of water in Fahrenheit?', '32°F', '0°F', '100°F', '50°F', 'A');