CREATE TABLE courses (

course\_id INT PRIMARY KEY,

course\_name VARCHAR(50),

description VARCHAR(255)

);

INSERT INTO courses (course\_id, course\_name, description)

INSERT INTO courses VALUES (p1, 'Introduction to Computer Science', 'An introduction to the principles of computer science and programming.'),

INSERT INTO courses VALUES (p2, 'Data Structures and Algorithms', 'A study of common data structures and algorithms used in computer science.'),

INSERT INTO courses VALUES (p3, 'Database Systems', 'An introduction to the design and implementation of database systems.'),

INSERT INTO courses VALUES (p4, 'Web Development', 'An introduction to web development, including HTML, CSS, and JavaScript.'),

INSERT INTO courses VALUES (p5, 'Mobile App Development', 'A study of mobile app development, including iOS and Android.'),

INSERT INTO courses VALUES (p6, 'Artificial Intelligence', 'An introduction to the principles of artificial intelligence and machine learning.'),

INSERT INTO courses VALUES (p7, 'Computer Networks', 'A study of computer networks, including protocols, architectures, and security.'),

INSERT INTO courses VALUES (p8, 'Operating Systems', 'An introduction to the design and implementation of operating systems.'),

INSERT INTO courses VALUES (p9, 'Software Engineering', 'A study of software engineering principles, including software design, testing, and maintenance.'),

INSERT INTO courses VALUES (p10, 'Computer Graphics', 'An introduction to computer graphics, including 2D and 3D graphics.'),

INSERT INTO courses VALUES (p11, 'Computer Vision', 'An introduction to the principles of computer vision and image processing.'),

INSERT INTO courses VALUES (p12, 'Human-Computer Interaction', 'A study of human-computer interaction, including user interface design and evaluation.'),

INSERT INTO courses VALUES (p13, 'Programming Languages', 'A study of programming languages, including syntax, semantics, and implementation.'),

INSERT INTO courses VALUES (p14, 'Computer Organization and Architecture', 'A study of computer organization and architecture, including processor design and memory systems.'),

INSERT INTO courses VALUES (p15, 'Computer Security', 'An introduction to computer security, including encryption, authentication, and access control.'),

INSERT INTO courses VALUES (p16, 'Distributed Systems', 'A study of distributed systems, including distributed algorithms and fault tolerance.'),

INSERT INTO courses VALUES (p17, 'Natural Language Processing', 'An introduction to natural language processing, including text analysis and generation.'),

INSERT INTO courses VALUES (p18, 'Computer Ethics', 'A study of ethical issues related to computer science and technology.'),

INSERT INTO courses VALUES (p19, 'Parallel Computing', 'A study of parallel computing, including parallel algorithms and architectures.'),

INSERT INTO courses VALUES (p20, 'Software Verification and Validation', 'A study of software verification and validation techniques.'),

INSERT INTO courses VALUES (p21, 'Computer Science Theory', 'A study of the theoretical foundations of computer science, including complexity theory and automata.'),

INSERT INTO courses VALUES (p22, 'Computer Forensics', 'An introduction to computer forensics, including techniques for analyzing digital evidence.'),

INSERT INTO courses VALUES (p23, 'Computer Science Education', 'A study of best practices in computer science education.'),

INSERT INTO courses VALUES (p24, 'Big Data Analytics', 'A study of big data analytics, including data mining and machine learning techniques.'),

INSERT INTO courses VALUES (p25, 'Cloud Computing', 'An introduction to cloud computing, including cloud architecture and services.'),

INSERT INTO courses VALUES (p26, 'Computer Graphics Programming', 'A study of computer graphics programming using OpenGL and DirectX.'),

INSERT INTO courses VALUES (p27, 'Cybersecurity', 'A study of cybersecurity, including threat analysis and incident response.'),

INSERT INTO courses VALUES (p28, 'Data Science', 'An introduction to data science, including data exploration, visualization, and analysis.'),

INSERT INTO courses VALUES (p29, 'Game Design and Development', 'An introduction to game design and development, including game engines and game programming.'),

INSERT INTO courses VALUES (p30, 'Information Retrieval', 'A study of information retrieval techniques for text and multimedia data.'),

INSERT INTO courses VALUES (p32, 'Machine Learning', 'A study of machine learning techniques for data analysis and prediction.'),

INSERT INTO courses VALUES (p33, 'Natural Language Understanding', 'A study of natural language understanding techniques, including semantic analysis and sentiment analysis.'),

INSERT INTO courses VALUES (p34, 'Network Security', 'A study of network security techniques, including intrusion detection and prevention.'),

INSERT INTO courses VALUES (p35, 'Object-Oriented Programming', 'An introduction to object-oriented programming principles and techniques.'),

INSERT INTO courses VALUES (p36, 'Programming for Data Science', 'An introduction to programming languages and tools used in data science.'),

INSERT INTO courses VALUES (p37, 'Robotics', 'An introduction to robotics, including robot design and control.'),

INSERT INTO courses VALUES (p38, 'Simulation and Modeling', 'A study of simulation and modeling techniques for systems analysis and design.'),

INSERT INTO courses VALUES (p39, 'Social and Ethical Implications of Computing', 'A study of the social and ethical implications of computing.'),

INSERT INTO courses VALUES (p40, 'Software Design and Architecture', 'A study of software design and architecture principles and techniques.'),

INSERT INTO courses VALUES (p41, 'Software Development Methodologies', 'A study of software development methodologies, including agile and waterfall.'),

INSERT INTO courses VALUES (p42, 'Systems Programming', 'A study of systems programming, including device drivers and kernel development.'),

INSERT INTO courses VALUES (p43, 'Web Application Security', 'A study of web application security techniques, including input validation and session management.'),

INSERT INTO courses VALUES (p44, 'Advanced Algorithms', 'A study of advanced algorithms, including graph algorithms and randomized algorithms.'),

INSERT INTO courses VALUES (p45, 'Artificial Intelligence for Games', 'A study of artificial intelligence techniques for game development.'),

INSERT INTO courses VALUES (p46, 'Cloud Security', 'A study of cloud security techniques, including secure communication and data storage.'),

INSERT INTO courses VALUES (p47, 'Computer Animation', 'An introduction to computer animation techniques, including motion capture and keyframe animation.'),

INSERT INTO courses VALUES (p48, 'Computer Networks and Distributed Systems', 'A study of computer networks and distributed systems, including network protocols and distributed algorithms.'),

INSERT INTO courses VALUES (p49, 'Computer Vision and Robotics', 'A study of computer vision and robotics, including object detection and recognition.'),

INSERT INTO courses VALUES (p50, 'Digital Signal Processing', 'A study of digital signal processing techniques for audio and image processing’),