CREATE TABLE courses (

course\_id INT AUTO\_INCREMENT PRIMARY KEY,

title VARCHAR(255) NOT NULL,

description TEXT,

start\_date DATE,

end\_date DATE,

created\_by INT,

FOREIGN KEY (created\_by) REFERENCES users(user\_id)

);

INSERT INTO courses (course\_id, title, description, start\_date, end\_date, created\_by) VALUES

(1, 'Introduction to Python Programming', 'Learn the fundamentals of programming using Python. This course covers variables, control structures, functions, and basic data structures.', '2025-05-15', '2025-07-15', 547),

(2, 'Advanced Data Science', 'Master techniques and tools used in data science with hands-on experience using real-world datasets.', '2025-06-01', '2025-08-30', 682),

(3, 'Digital Marketing Fundamentals', 'Develop effective marketing strategies for today\'s digital landscape.', '2025-05-10', '2025-06-25', 639),

(4, 'Business Leadership', 'Develop critical leadership skills necessary for professional success in business environments.', '2025-07-01', '2025-09-15', 1450),

(5, 'Web Development Bootcamp', 'Build professional, responsive websites using HTML, CSS, and JavaScript.', '2025-05-20', '2025-08-20', 806),

(6, 'Introduction to Java', 'Comprehensive introduction to Java programming language and object-oriented concepts.', '2025-06-15', '2025-08-15', 1198),

(7, 'Digital Photography Basics', 'Learn essential photography techniques, composition, and editing skills.', '2025-06-01', '2025-07-15', 1082),

(8, 'Effective Public Speaking', 'Overcome fear and build confidence in public speaking with practical techniques.', '2025-05-25', '2025-07-10', 832),

(9, 'Mindfulness and Stress Management', 'Practical strategies for reducing stress and increasing mindfulness in daily life.', '2025-06-10', '2025-07-25', 330),

(10, 'Financial Accounting Principles', 'Understanding the fundamentals of accounting and financial reporting.', '2025-07-05', '2025-09-20', 1343),

(11, 'Introduction to Artificial Intelligence', 'Explore the basic concepts and applications of artificial intelligence.', '2025-06-20', '2025-08-30', 786),

(12, 'Graphic Design Essentials', 'Master the principles of visual communication and design software.', '2025-05-15', '2025-07-30', 966),

(13, 'Project Management Professional', 'Prepare for PMP certification with comprehensive project management training.', '2025-07-10', '2025-10-10', 1063),

(14, 'Content Marketing Strategy', 'Learn to create and distribute valuable content to attract and retain customers.', '2025-06-05', '2025-08-05', 621),

(15, 'Full-Stack JavaScript Development', 'Build complete web applications using modern JavaScript frameworks.', '2025-07-15', '2025-10-15', 568),

(16, 'Introduction to Machine Learning', 'Understand machine learning algorithms and their real-world applications.', '2025-08-01', '2025-10-30', 34),

(17, 'Business Ethics and Corporate Responsibility', 'Explore ethical decision-making in business contexts.', '2025-06-10', '2025-08-10', 405),

(18, 'Mobile App Development with Swift', 'Create iOS applications using Swift programming language.', '2025-07-20', '2025-10-05', 1108),

(19, 'Social Media Marketing', 'Develop strategies for effective brand presence across social media platforms.', '2025-05-25', '2025-07-25', 1089),

(20, 'Human Resource Management', 'Learn effective strategies for talent acquisition, development, and retention.', '2025-06-15', '2025-08-30', 1407),

(21, 'Introduction to Data Analysis with R', 'Use R programming language for statistical analysis and data visualization.', '2025-07-10', '2025-09-25', 1342),

(22, 'UX/UI Design Principles', 'Create user-centered designs for digital products and services.', '2025-06-05', '2025-08-20', 46),

(23, 'Strategic Marketing Management', 'Develop and implement effective marketing strategies for business growth.', '2025-08-01', '2025-10-15', 452),

(24, 'Business Communication Skills', 'Enhance written and verbal communication skills for professional success.', '2025-05-20', '2025-07-05', 852),

(25, 'Introduction to SQL and Databases', 'Learn to create, manage, and query relational databases.', '2025-06-25', '2025-08-25', 291),

(26, 'Digital Illustration Techniques', 'Master digital illustration using industry-standard software.', '2025-07-15', '2025-09-30', 48),

(27, 'Corporate Finance', 'Understand financial decision-making in corporate environments.', '2025-08-10', '2025-10-25', 726),

(28, 'Front-End Web Development', 'Create responsive and interactive web interfaces with modern technologies.', '2025-06-20', '2025-09-05', 1065),

(29, 'Introduction to Cybersecurity', 'Learn fundamental concepts of information security and cyber threats.', '2025-07-05', '2025-09-20', 232),

(30, 'Personal Branding', 'Build and maintain a strong personal brand for career advancement.', '2025-05-30', '2025-07-15', 416),

(31, 'Advanced Excel for Business Analytics', 'Master advanced Excel features for data analysis and business intelligence.', '2025-06-15', '2025-08-15', 1289),

(32, 'Creative Writing Workshop', 'Develop creative writing skills through guided practice and feedback.', '2025-07-20', '2025-09-05', 41),

(33, 'Introduction to Cloud Computing', 'Understand cloud services, deployment models, and architecture.', '2025-08-05', '2025-10-20', 913),

(34, 'Marketing Research Methods', 'Learn techniques for gathering and analyzing market data.', '2025-06-10', '2025-08-25', 459),

(35, 'Leadership Development', 'Enhance leadership capabilities through practical exercises and theory.', '2025-07-15', '2025-09-30', 613),

(36, 'JavaScript Fundamentals', 'Build a solid foundation in JavaScript programming language.', '2025-05-25', '2025-08-10', 1173),

(37, 'Introduction to Psychology', 'Explore the basics of human behavior and mental processes.', '2025-06-20', '2025-08-20', 579),

(38, 'Video Production Techniques', 'Learn to plan, shoot, and edit professional video content.', '2025-07-30', '2025-10-15', 57),

(39, 'Entrepreneurship Basics', 'Develop skills and knowledge to start and manage a new business.', '2025-08-15', '2025-11-01', 1420),

(40, 'Data Visualization with Tableau', 'Create powerful visual representations of complex data.', '2025-06-05', '2025-08-20', 687),

(41, 'Professional Networking', 'Build and maintain professional relationships for career growth.', '2025-07-10', '2025-08-25', 315),

(42, 'Introduction to C++ Programming', 'Learn the fundamentals of C++ and object-oriented programming.', '2025-08-01', '2025-10-15', 62),

(43, 'Content Creation for Social Media', 'Develop engaging content strategies for various social platforms.', '2025-06-15', '2025-08-05', 80),

(44, 'Supply Chain Management', 'Understand principles of efficient supply chain operations.', '2025-07-20', '2025-10-05', 1351),

(45, 'Responsive Web Design', 'Create websites that work seamlessly across all device sizes.', '2025-08-10', '2025-10-25', 53),

(46, 'Introduction to Blockchain', 'Understand the fundamentals of blockchain technology and applications.', '2025-06-25', '2025-09-10', 588),

(47, 'Business Analytics', 'Use data analysis to drive business decision-making.', '2025-07-15', '2025-09-30', 470),

(48, 'Digital Transformation Strategy', 'Lead digital change initiatives in organizational settings.', '2025-08-05', '2025-10-20', 1283),

(49, 'Advanced JavaScript', 'Master advanced concepts in JavaScript programming.', '2025-06-10', '2025-08-25', 1014),

(50, 'Introduction to Nutrition Science', 'Learn the fundamentals of nutrition and its impact on health.', '2025-07-01', '2025-08-15', 1074),

(51, 'Brand Management', 'Develop and maintain strong brands in competitive markets.', '2025-08-15', '2025-10-30', 339),

(52, 'Mobile UI Design', 'Create user-friendly interfaces specifically for mobile devices.', '2025-06-20', '2025-09-05', 855),

(53, 'Introduction to Data Science', 'Explore the fundamentals of data analysis and interpretation.', '2025-07-25', '2025-10-10', 1453),

(54, 'Corporate Communications', 'Develop effective internal and external communication strategies.', '2025-08-10', '2025-10-25', 567),

(55, 'Python for Data Analysis', 'Use Python programming for data manipulation and analysis.', '2025-06-15', '2025-09-01', 1416),

(56, 'Strategic Leadership', 'Develop vision and implement strategic initiatives in organizations.', '2025-07-20', '2025-10-05', 255),

(57, 'E-commerce Strategies', 'Build and optimize online retail operations.', '2025-08-05', '2025-10-20', 933),

(58, 'Database Design and Management', 'Learn to design and manage efficient database systems.', '2025-06-25', '2025-09-10', 476),

(59, 'Digital Product Management', 'Lead the development and optimization of digital products.', '2025-07-30', '2025-10-15', 1056),

(60, 'Introduction to Financial Markets', 'Understand stock markets, bonds, and investment vehicles.', '2025-08-15', '2025-11-01', 429),

(61, 'SEO Optimization Techniques', 'Improve website visibility through search engine optimization.', '2025-06-10', '2025-08-25', 997),

(62, 'C# Programming Fundamentals', 'Learn the basics of C# programming language.', '2025-07-15', '2025-09-30', 676),

(63, 'Professional Photography', 'Advance your photography skills to a professional level.', '2025-08-01', '2025-10-15', 1172),

(64, 'Business Law Fundamentals', 'Understand legal concepts relevant to business operations.', '2025-06-20', '2025-09-05', 575),

(65, 'Data Privacy and Security', 'Learn best practices for protecting sensitive information.', '2025-07-25', '2025-10-10', 176),

(66, 'Content Strategy Development', 'Create comprehensive content strategies for business goals.', '2025-08-10', '2025-10-25', 353),

(67, 'Agile Project Management', 'Apply agile methodologies to project planning and execution.', '2025-06-15', '2025-09-01', 315),

(68, 'Introduction to Big Data', 'Understand the concepts and technologies behind big data.', '2025-07-20', '2025-10-05', 148),

(69, 'Social Media Analytics', 'Measure and analyze social media performance and engagement.', '2025-08-05', '2025-10-20', 789),

(70, 'Mobile App Development with React Native', 'Build cross-platform mobile applications with React Native.', '2025-06-25', '2025-09-10', 696),

(71, 'Organizational Behavior', 'Understand human behavior in organizational settings.', '2025-07-30', '2025-10-15', 910),

(72, 'Introduction to Internet of Things', 'Explore connected devices and IoT applications.', '2025-08-15', '2025-11-01', 1008),

(73, 'Email Marketing Campaigns', 'Design and implement effective email marketing strategies.', '2025-06-10', '2025-08-25', 1167),

(74, 'Ruby on Rails Development', 'Build web applications using Ruby on Rails framework.', '2025-07-15', '2025-09-30', 234),

(75, 'Personal Development Planning', 'Create and implement plans for personal and professional growth.', '2025-08-01', '2025-09-15', 1213),

(76, 'Introduction to Virtual Reality', 'Understand virtual reality technologies and applications.', '2025-06-20', '2025-09-05', 1034),

(77, 'Marketing Analytics', 'Use data to measure and optimize marketing performance.', '2025-07-25', '2025-10-10', 653),

(78, 'Node.js Development', 'Build server-side applications with Node.js.', '2025-08-10', '2025-10-25', 266),

(79, 'Corporate Risk Management', 'Identify and mitigate business risks effectively.', '2025-06-15', '2025-09-01', 482),

(80, 'WordPress Website Development', 'Create and manage websites using WordPress platform.', '2025-07-20', '2025-09-20', 79),

(81, 'Introduction to Quantum Computing', 'Explore the basics of quantum computing principles.', '2025-08-05', '2025-10-20', 1420),

(82, 'Digital Advertising Strategies', 'Develop effective digital ad campaigns across platforms.', '2025-06-25', '2025-09-10', 1352),

(83, 'Financial Planning and Analysis', 'Master techniques for financial forecasting and analysis.', '2025-07-30', '2025-10-15', 286),

(84, 'PHP Web Development', 'Build dynamic websites using PHP programming language.', '2025-08-15', '2025-11-01', 853),

(85, 'Introduction to Robotics', 'Understand robotic systems, sensors, and programming.', '2025-06-10', '2025-08-25', 1102),

(86, 'Conflict Resolution in the Workplace', 'Develop skills to manage and resolve workplace conflicts.', '2025-07-15', '2025-09-15', 1233),

(87, '3D Modeling Fundamentals', 'Learn the basics of creating three-dimensional digital models.', '2025-08-01', '2025-10-15', 1245),

(88, 'Introduction to Game Development', 'Explore basic concepts of video game development.', '2025-06-20', '2025-09-05', 319),

(89, 'Customer Relationship Management', 'Develop strategies for managing customer relationships.', '2025-07-25', '2025-10-10', 330),

(90, 'Angular Framework Development', 'Build dynamic web applications using Angular framework.', '2025-08-10', '2025-10-25', 1156),

(91, 'Business Strategy and Innovation', 'Develop innovative business strategies for competitive advantage.', '2025-06-15', '2025-09-01', 940),

(92, 'Introduction to Natural Language Processing', 'Understand how computers process and analyze human language.', '2025-07-20', '2025-10-05', 887),

(93, 'Social Media Management', 'Manage brand presence and engagement across social platforms.', '2025-08-05', '2025-10-20', 144),

(94, 'ASP.NET Development', 'Build web applications using Microsoft\'s ASP.NET framework.', '2025-06-25', '2025-09-10', 928),

(95, 'Leadership Communication', 'Enhance communication skills specific to leadership roles.', '2025-07-30', '2025-09-30', 744),

(96, 'Introduction to Augmented Reality', 'Explore AR technologies and their practical applications.', '2025-08-15', '2025-11-01', 945),

(97, 'Content Marketing for B2B', 'Develop content strategies specifically for B2B markets.', '2025-06-10', '2025-08-25', 881),

(98, 'Investment Strategies', 'Learn approaches to investment in various financial markets.', '2025-07-15', '2025-09-30', 763),

(99, 'Docker and Containerization', 'Master container technology for application deployment.', '2025-08-01', '2025-10-15', 1178),

(100, 'Introduction to Neuroscience', 'Explore the fundamentals of brain structure and function.', '2025-06-20', '2025-09-05', 280),

(101, 'Influencer Marketing', 'Develop strategies for working with influencers in marketing.', '2025-07-25', '2025-10-10', 863),

(102, 'Vue.js Framework', 'Build interactive web interfaces with Vue.js framework.', '2025-08-10', '2025-10-25', 303),

(103, 'Operations Management', 'Optimize business processes for efficiency and quality.', '2025-06-15', '2025-09-01', 845),

(104, 'Introduction to Deep Learning', 'Understand neural networks and deep learning applications.', '2025-07-20', '2025-10-05', 866),

(105, 'Search Engine Marketing', 'Develop paid search campaigns for online visibility.', '2025-08-05', '2025-10-20', 946),

(106, 'MongoDB Database Management', 'Learn to work with NoSQL database systems.', '2025-06-25', '2025-09-10', 1246),

(107, 'Crisis Management', 'Develop strategies for managing organizational crises.', '2025-07-30', '2025-10-15', 376),

(108, 'Introduction to Data Mining', 'Explore techniques for discovering patterns in large datasets.', '2025-08-15', '2025-11-01', 209),

(109, 'Visual Brand Identity', 'Create cohesive visual elements for brand recognition.', '2025-06-10', '2025-08-25', 626),

(110, 'Go Programming Language', 'Learn the Go language for efficient software development.', '2025-07-15', '2025-09-30', 1069),

(111, 'Stress Management and Resilience', 'Develop techniques for managing stress and building resilience.', '2025-08-01', '2025-09-15', 105),

(112, 'Introduction to Cryptography', 'Understand principles of secure communication and encryption.', '2025-06-20', '2025-09-05', 983),

(113, 'Video Marketing Strategies', 'Develop effective video content for marketing purposes.', '2025-07-25', '2025-10-10', 105),

(114, 'React.js Development', 'Build interactive user interfaces with React.js library.', '2025-08-10', '2025-10-25', 197),

(115, 'Mergers and Acquisitions', 'Understand the process and strategies for M&A activities.', '2025-06-15', '2025-09-01', 1405),

(116, 'Introduction to Computer Networks', 'Learn fundamentals of network architecture and protocols.', '2025-07-20', '2025-10-05', 701),

(117, 'Conversion Rate Optimization', 'Improve website conversion through testing and optimization.', '2025-08-05', '2025-10-20', 1097),

(118, 'Swift Programming for iOS', 'Develop applications for Apple\'s iOS platform.', '2025-06-25', '2025-09-10', 1338),

(119, 'Negotiation Skills', 'Master techniques for successful business negotiations.', '2025-07-30', '2025-09-30', 377),

(120, 'Introduction to Computer Vision', 'Explore how computers interpret and process visual information.', '2025-08-15', '2025-11-01', 1490),

(121, 'Content Writing for Web', 'Create effective written content for digital platforms.', '2025-06-10', '2025-08-25', 837),

(122, 'Kotlin Programming Language', 'Learn Kotlin for Android app development.', '2025-07-15', '2025-09-30', 319),

(123, 'Emotional Intelligence in Leadership', 'Develop awareness of emotions in leadership contexts.', '2025-08-01', '2025-10-15', 15),

(124, 'Introduction to Information Security', 'Learn fundamental concepts of protecting information assets.', '2025-06-20', '2025-09-05', 33),

(125, 'User Experience Research', 'Conduct research to improve product user experience.', '2025-07-25', '2025-10-10', 1286),

(126, 'Django Web Framework', 'Build web applications with Python\'s Django framework.', '2025-08-10', '2025-10-25', 1157),

(127, 'Financial Risk Management', 'Identify and mitigate financial risks in business.', '2025-06-15', '2025-09-01', 158),

(128, 'Introduction to Parallel Computing', 'Understand concepts of concurrent processing in computing.', '2025-07-20', '2025-10-05', 774),

(129, 'Affiliate Marketing', 'Develop strategies for successful affiliate marketing programs.', '2025-08-05', '2025-10-20', 1171),

(130, 'Laravel PHP Framework', 'Build web applications with Laravel framework.', '2025-06-25', '2025-09-10', 382),

(131, 'Time Management for Professionals', 'Improve productivity through effective time management techniques.', '2025-07-30', '2025-09-30', 751),

(132, 'Introduction to Bioinformatics', 'Explore computational methods for biological data analysis.', '2025-08-15', '2025-11-01', 704),

(133, 'Copywriting Fundamentals', 'Write persuasive copy for marketing and advertising.', '2025-06-10', '2025-08-25', 116),

(134, 'TypeScript Programming', 'Learn TypeScript for type-safe JavaScript development.', '2025-07-15', '2025-09-30', 1380),

(135, 'Team Leadership', 'Develop skills for leading and motivating teams.', '2025-08-01', '2025-10-15', 944),

(136, 'Introduction to Network Security', 'Learn techniques for securing computer networks.', '2025-06-20', '2025-09-05', 627),

(137, 'Growth Hacking Strategies', 'Develop creative approaches to rapid business growth.', '2025-07-25', '2025-10-10', 1298),

(138, 'Spring Framework Development', 'Build Java applications with Spring framework.', '2025-08-10', '2025-10-25', 135),

(139, 'Business Process Optimization', 'Improve efficiency through process analysis and redesign.', '2025-06-15', '2025-09-01', 1421),

(140, 'Introduction to Computational Linguistics', 'Explore the intersection of linguistics and computer science.', '2025-07-20', '2025-10-05', 1294),

(141, 'Local SEO Strategies', 'Optimize online presence for local search results.', '2025-08-05', '2025-10-20', 1338),

(142, 'GraphQL API Development', 'Build flexible APIs using GraphQL query language.', '2025-06-25', '2025-09-10', 66),

(143, 'Conflict Management', 'Develop strategies for managing and resolving conflicts.', '2025-07-30', '2025-09-30', 71),

(144, 'Introduction to Quantum Physics', 'Explore foundational concepts in quantum mechanics.', '2025-08-15', '2025-11-01', 1128),

(145, 'Technical Writing', 'Create clear documentation for technical audiences.', '2025-06-10', '2025-08-25', 775),

(146, 'Scala Programming Language', 'Learn Scala for functional programming.', '2025-07-15', '2025-09-30', 879),

(147, 'Coaching and Mentoring', 'Develop skills for effective coaching in professional settings.', '2025-08-01', '2025-10-15', 1110),

(148, 'Introduction to Cloud Security', 'Learn techniques for securing cloud-based systems.', '2025-06-20', '2025-09-05', 1062),

(149, 'Podcast Marketing', 'Develop strategies for promoting podcasts and audio content.', '2025-07-25', '2025-10-10', 100),

(150, 'Microservices Architecture', 'Design and implement microservices-based applications.', '2025-08-10', '2025-10-25', 1344),

(151, 'International Business', 'Understand global business operations and strategies.', '2025-06-15', '2025-09-01', 579),

(152, 'Introduction to Reinforcement Learning', 'Explore algorithms that learn through interaction with environments.', '2025-07-20', '2025-10-05', 1171),

(153, 'Email Copywriting', 'Create effective email content for marketing campaigns.', '2025-08-05', '2025-10-20', 515),

(154, 'Express.js Development', 'Build web applications with Node.js Express framework.', '2025-06-25', '2025-09-10', 310),

(155, 'Cross-Cultural Communication', 'Develop skills for effective communication across cultures.', '2025-07-30', '2025-09-30', 223),

(156, 'Introduction to Astrophysics', 'Explore the physics of celestial objects and phenomena.', '2025-08-15', '2025-11-01', 1235),

(157, 'Data-Driven Marketing', 'Use data to inform and optimize marketing strategies.', '2025-06-10', '2025-08-25', 1147),

(158, 'Rust Programming Language', 'Learn Rust for safe and concurrent systems programming.', '2025-07-15', '2025-09-30', 484),

(159, 'Change Management', 'Lead organizational change efforts effectively.', '2025-08-01', '2025-10-15', 946),

(160, 'Introduction to Ethical Hacking', 'Learn security testing techniques to identify vulnerabilities.', '2025-06-20', '2025-09-05', 1381),

(161, 'Mobile Marketing Strategies', 'Develop marketing approaches specifically for mobile users.', '2025-07-25', '2025-10-10', 404),

(162, 'Kubernetes for Deployment', 'Manage containerized applications with Kubernetes.', '2025-08-10', '2025-10-25', 797),

(163, 'Strategic Human Resource Management', 'Align HR strategies with organizational objectives.', '2025-06-15', '2025-09-01', 799),

(164, 'Introduction to Geospatial Analysis', 'Explore techniques for analyzing geographic data.', '2025-07-20', '2025-10-05', 1164),

(165, 'Landing Page Optimization', 'Improve conversion rates through landing page design.', '2025-08-05', '2025-10-20', 1197),

(166, 'Flask Web Development', 'Build web applications with Python\'s Flask framework.', '2025-06-25', '2025-09-10', 257),

(167, 'Executive Leadership', 'Develop leadership skills for executive-level positions.', '2025-07-30', '2025-10-15', 245),

(168, 'Introduction to Nanotechnology', 'Explore applications of technology at nanoscale.', '2025-08-15', '2025-11-01', 1498),

(169, 'Technical SEO', 'Optimize website technical aspects for search engines.', '2025-06-10', '2025-08-25', 628),

(170, 'Elixir Programming Language', 'Learn Elixir for scalable and maintainable applications.', '2025-07-15', '2025-09-30', 629),

(171, 'Strategic Thinking', 'Develop analytical thinking for strategic decision-making.', '2025-08-01', '2025-10-15', 562),

(172, 'Introduction to DevSecOps', 'Integrate security practices into DevOps processes.', '2025-06-20', '2025-09-05', 524),

(173, 'AI in Marketing', 'Apply artificial intelligence to marketing strategies.', '2025-07-25', '2025-10-10', 729),

(174, 'Serverless Architecture', 'Build applications without managing server infrastructure.', '2025-08-10', '2025-10-25', 923),

(175, 'Financial Statement Analysis', 'Interpret financial statements for decision-making.', '2025-06-15', '2025-09-01', 1061),

(176, 'Introduction to Computational Neuroscience', 'Apply computational methods to understand neural systems.', '2025-07-20', '2025-10-05', 1149),

(177, 'Content Marketing Metrics', 'Measure and analyze content marketing performance.', '2025-08-05', '2025-10-20', 899),

(178, 'Progressive Web Apps Development', 'Build web applications with native app-like features.', '2025-06-25', '2025-09-10', 679),

(179, 'Diversity and Inclusion in Leadership', 'Foster diverse and inclusive work environments.', '2025-07-30', '2025-10-15', 978),

(180, 'Introduction to Biotechnology', 'Explore technological applications in biological systems.', '2025-08-15', '2025-11-01', 344),

(181, 'Conversion Copywriting', 'Write persuasive copy focused on conversion actions.', '2025-06-10', '2025-08-25', 849),

(182, 'Perl Programming Language', 'Learn Perl for text processing and system administration.', '2025-07-15', '2025-09-30', 466),

(183, 'Crisis Leadership', 'Lead effectively during organizational crises.', '2025-08-01', '2025-10-15', 1081),

(184, 'Introduction to Digital Forensics', 'Learn techniques for investigating digital security incidents.', '2025-06-20', '2025-09-05', 592),

(185, 'B2B Marketing Strategies', 'Develop marketing approaches for business-to-business markets.', '2025-07-25', '2025-10-10', 515),

(186, 'Quantum Computing Fundamentals', 'Explore the principles of quantum mechanics applied to computation, including qubits, superposition, and entanglement.', '2025-06-01', '2025-07-15', 36),

(187, 'Advanced Microbiology Techniques', 'Hands-on methods for analyzing microorganisms, including staining, culturing, and genomic sequencing.', '2025-06-01', '2025-07-15', 37),

(188, 'Creative Writing: The Short Story', 'Develop narrative techniques, character arcs, and dialogue through writing and critiquing short stories.', '2025-06-01', '2025-07-15', 38),

(189, 'Digital Marketing Strategies', 'Learn SEO, SEM, content marketing, and social media campaigns to grow brand presence online.', '2025-06-01', '2025-07-15', 39),

(190, 'Data Visualization with Python', 'Use libraries like Matplotlib and Plotly to create compelling visual representations of data.', '2025-06-01', '2025-07-15', 40),

(191, 'Environmental Policy and Sustainability', 'Examine global environmental policies, sustainable development goals, and climate action strategies.', '2025-06-01', '2025-07-15', 41),

(192, 'Financial Modeling in Excel', 'Build financial forecasts, valuations, and scenario analyses using advanced Excel functions.', '2025-06-01', '2025-07-15', 42),

(193, 'Introduction to Neuroscience', 'Study the structure and function of the nervous system, neural signaling, and brain–behavior relationships.', '2025-06-01', '2025-07-15', 43),

(194, 'Modern Art History', 'Survey major movements from Impressionism to Contemporary Art and their cultural contexts.', '2025-06-01', '2025-07-15', 44),

(195, 'Mobile App Development with React Native', 'Design, build, and deploy cross-platform mobile applications using React Native.', '2025-06-01', '2025-07-15', 45),

(196, 'Project Management Professional (PMP) Prep', 'Prepare for the PMP exam with project planning, execution, monitoring, and control techniques.', '2025-06-01', '2025-07-15', 46),

(197, 'Entrepreneurship and Startup Finance', 'Learn how to fund, launch, and scale a startup, including venture capital strategies and pitch deck creation.', '2025-06-01', '2025-07-15', 47),

(198, 'Ethical Hacking and Penetration Testing', 'Identify and exploit vulnerabilities in networks and systems to strengthen cybersecurity defenses.', '2025-06-01', '2025-07-15', 48),

(199, 'Machine Learning Algorithms', 'Implement and evaluate supervised and unsupervised learning algorithms using scikit-learn.', '2025-06-01', '2025-07-15', 49),

(200, 'Modern Chinese Language and Culture', 'Develop conversational Mandarin skills and explore Chinese traditions and contemporary society.', '2025-06-01', '2025-07-15', 30),

(201, 'Graphic Design Principles', 'Learn typography, color theory, and layout design using Adobe Creative Suite.', '2025-06-01', '2025-07-15', 31),

(202, 'Blockchain and Cryptocurrency', 'Understand blockchain technology, smart contracts, and the economics of cryptocurrencies.', '2025-06-01', '2025-07-15', 32),

(203, 'Robotics: Kinematics and Control', 'Study robot motion, sensor integration, and control algorithms for autonomous systems.', '2025-06-01', '2025-07-15', 33),

(204, 'Social Media Analytics', 'Measure and analyze social media metrics to inform data-driven marketing strategies.', '2025-06-01', '2025-07-15', 34),

(205, 'Introduction to Astrophysics', 'Explore stars, galaxies, black holes, and the universe’s large-scale structure.', '2025-06-01', '2025-07-15', 35),

(206, 'Supply Chain Management', 'Examine logistics, inventory control, procurement, and operations in global supply chains.', '2025-06-01', '2025-07-15', 36),

(207, 'Public Speaking and Presentation Skills', 'Develop confidence, structure speeches, and use visual aids for effective presentations.', '2025-06-01', '2025-07-15', 37),

(208, 'Human–Computer Interaction', 'Design user-centered interfaces and conduct usability testing for software and web applications.', '2025-06-01', '2025-07-15', 38),

(209, 'Big Data Technologies', 'Work with Hadoop, Spark, and NoSQL databases for scalable big data processing.', '2025-06-01', '2025-07-15', 39),

(210, 'Shakespearean Literature', 'Analyze themes, language, and historical context of Shakespeare’s major plays.', '2025-06-01', '2025-07-15', 40),

(211, 'Introduction to Philosophy', 'Explore fundamental questions in metaphysics, ethics, logic, and epistemology.', '2025-06-01', '2025-07-15', 41),

(212, 'Protein Biochemistry', 'Study protein structure, function, enzyme kinetics, and molecular interactions.', '2025-06-01', '2025-07-15', 42),

(213, 'Digital Photography Techniques', 'Master camera settings, composition, lighting, and post-processing workflows.', '2025-06-01', '2025-07-15', 43),

(214, 'Financial Markets and Institutions', 'Learn how stock, bond, and derivatives markets operate and are regulated.', '2025-06-01', '2025-07-15', 44),

(215, 'Game Theory and Strategic Behavior', 'Model strategic interactions in economics, politics, and evolutionary biology.', '2025-06-01', '2025-07-15', 45),

(216, 'Introduction to AI Ethics', 'Examine ethical considerations in AI development, including bias, fairness, and accountability.', '2025-06-01', '2025-07-15', 46),

(217, 'Spanish for Business', 'Learn professional Spanish vocabulary and communication in business contexts.', '2025-06-01', '2025-07-15', 47),

(218, 'Advanced Statistics with R', 'Perform statistical modeling, hypothesis testing, and data visualization using R.', '2025-06-01', '2025-07-15', 48),

(219, 'Cultural Anthropology', 'Study human cultures, social institutions, and ethnographic research methods.', '2025-06-01', '2025-07-15', 49),

(220, 'Web Development with Node.js', 'Build backend services and RESTful APIs using Node.js and Express.', '2025-06-01', '2025-07-15', 30),

(221, 'Nutrition and Wellness', 'Understand macronutrients, micronutrients, and their roles in human health.', '2025-06-01', '2025-07-15', 31),

(222, 'Intro to Renewable Energy Systems', 'Explore solar, wind, hydro, and bioenergy technologies and applications.', '2025-06-01', '2025-07-15', 32),

(223, 'Literary Theory and Criticism', 'Apply critical lenses such as feminism, post-colonialism, and structuralism to texts.', '2025-06-01', '2025-07-15', 33),

(224, 'Advanced Excel for Data Analysis', 'Use pivot tables, Power Query, macros, and VBA for complex data workflows.', '2025-06-01', '2025-07-15', 34),

(225, 'International Relations Theory', 'Study realism, liberalism, and constructivism in global political dynamics.', '2025-06-01', '2025-07-15', 35),

(226, 'Introduction to Jazz Music', 'Learn jazz history, theory, improvisation, and ensemble performance techniques.', '2025-06-01', '2025-07-15', 36),

(227, 'Python for Finance', 'Apply Python to financial data analysis, trading strategies, and risk modeling.', '2025-06-01', '2025-07-15', 37),

(228, 'Environmental Chemistry', 'Examine chemical processes in water, air, and soil and pollution remediation.', '2025-06-01', '2025-07-15', 38),

(229, 'Mobile UX Design', 'Design user experiences optimized for mobile interfaces and touch interactions.', '2025-06-01', '2025-07-15', 39),

(230, 'Advertising and Brand Management', 'Develop strategies for brand positioning, messaging, and campaign measurement.', '2025-06-01', '2025-07-15', 40),

(231, 'Genetics and Genomics', 'Study heredity, gene expression, CRISPR, and next-generation sequencing methods.', '2025-06-01', '2025-07-15', 41),

(232, 'Digital Signal Processing', 'Analyze and filter signals in time and frequency domains using DSP techniques.', '2025-06-01', '2025-07-15', 42),

(233, 'Leadership and Organizational Behavior', 'Explore leadership styles, motivation, and team dynamics in organizations.', '2025-06-01', '2025-07-15', 43),

(234, 'Arabic Language and Culture', 'Develop foundational Arabic skills and explore cultural traditions.', '2025-06-01', '2025-07-15', 44),

(235, 'Cyber-Physical Systems', 'Study integration of computation, networking, and physical processes in IoT systems.', '2025-06-01', '2025-07-15', 45),

(236, 'Biostatistics', 'Apply statistical methods to biological and health science data.', '2025-06-01', '2025-07-15', 46),

(237, 'Visual Storytelling with Video', 'Learn filming, editing, and narrative techniques for video production.', '2025-06-01', '2025-07-15', 47),

(238, 'Strategic Management', 'Develop and implement business strategies for competitive advantage.', '2025-06-01', '2025-07-15', 48),

(239, 'French Literature: 19th Century', 'Read and analyze major French literary works of the 1800s.', '2025-06-01', '2025-07-15', 49),

(240, 'Cloud Computing with AWS', 'Use AWS services for scalable computing, storage, and networking.', '2025-06-01', '2025-07-15', 30),

(241, 'Behavioral Economics', 'Study psychology-based economic decision making.', '2025-06-01', '2025-07-15', 31),

(242, 'Digital Forensics', 'Learn techniques to investigate cybercrimes and recover digital evidence.', '2025-06-01', '2025-07-15', 32),

(243, 'Environmental Economics', 'Analyze economic policies for environmental sustainability.', '2025-06-01', '2025-07-15', 33),

(244, 'Theatre Production and Direction', 'Explore stagecraft, directing, and production management.', '2025-06-01', '2025-07-15', 34),

(245, 'Data Ethics and Privacy', 'Examine ethical issues and regulations in data collection and usage.', '2025-06-01', '2025-07-15', 35),

(246, 'Advanced Molecular Biology', 'Detailed study of DNA replication, transcription, and gene regulation.', '2025-06-01', '2025-07-15', 36),

(247, 'Spanish Literature: Modern Era', 'Analyze contemporary Spanish-language literary works.', '2025-06-01', '2025-07-15', 37),

(248, 'Interactive Game Design', 'Design game mechanics and player experiences using Unity.', '2025-06-01', '2025-07-15', 38),

(249, 'Quantum Field Theory Introduction', 'Foundational concepts of fields, particles, and interactions.', '2025-06-01', '2025-07-15', 39),

(250, 'Advanced Topics in Machine Learning', 'Explore deep learning architectures, neural networks, and reinforcement learning.', '2025-06-01', '2025-07-15', 40);