ROP Database Design and SQL

COURSE DESCRIPTION

Learn to analyze complex business scenarios and create a data model—a conceptual representation of an organization's information. Implement your database design by creating a physical database using SQL (Structured Query Language). This course culminates with a project that challenges students to design, implement, and demonstrate, with an App, a database solution for a business or organization.

Technical Skills

♦ **Helps prepare Students for the Oracle SQL Certified Expert Certification**

♦ **Learn about database management systems (implement and design)**

♦ **Basic database programming theory**

♦ **Stages of program development**

♦ **Basic SQL (Structured Query Language) syntax and rules for constructing valid statements**

Professional Skills

♦ **Students will work on a team to create an idea for a business, learn about software development and produce a working database and Android App**

♦ **Motivated students may secure internships with business partners like Hewlett Packard and Intel**

♦ **Research employment opportunities, prepare a resume, prepare for an interview and learn how to apply for employment**

Folsom Lake Articulation

♦ **This course is articulated with CISP 351 Database Design and SQL. Students with a passing grade of "B" or higher, may earn 3 Folsom Lake College college credits.**

♦ **Course is designed for students with previous experience or a strong interest in computer coding**

For more information, visit your High School Career Center or the
Central Sierra Regional Occupational Program

El Dorado High School District
4675 Missouri Flat Road, Placerville, CA 95667
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