



Lab and Home Assignments

Smart Contracts and Applications Development Lab (CSEN 3254)

Department of CSE (IoT & Cyber Security including Block Chain Technology)

Day 8: Environment Setup and Structure

Lab Assignments:

1. Ethereum Development Environment Setup in Linux platform.

Home Assignment:

1. Define a structure named student to store information of a student (roll, name, marksInPhysics, marksInChemistry, marksInMathematics). Write a solidity program, which will take as input the roll, name and numbers obtained by several students in different subjects. The program will calculate the total marks obtained by each student and display the list of students in descending order according to the total marks.
2. Write a solidity program by using structure that describes the set books in a library. For each book, the members elements are name of the book, name of author, publisher, price and branch (ex. fiction, biography, thrillers etc.) information. The program should
 - a. prints the list of books supplied by a particular publish
 - b. prints the list of books under a particular branch