Collaborative Learning Tool applying to C Programming Language

張文智,陳坤祺
Information Management
Computer Science and Informatics
earnest@chu.edu.tw

Abstract

Collaborative learning, which includes activities of interaction between learners, share knowledge each other, and cooperate in finishing some tasks, is a popular research topic in the past decades. The essence of collaborative learning is that active participation is significant in the learning process and that learners share the valuable knowledge to the other learners in traditional classroom. Nowadays, computers and information technology (IT) become a general component on a lot of aspects of education. The combination of collaborative learning and information technology is commonly called "Computer Supported Collaborative Learning" (CSCL), and that is currently having much attention. Therefore, we have developed a friendly server / client tool, which embedded voice and text chat communication to support collaborative learning via internet. Learner can study from group's collaborative learning, find and solve the problem of C programming language designing through communicating and discussing. Besides, it makes users gained the experience and knowledge of program designing efficiently.

Keyword：C Programming Language Learning, e-learning, Computer Supported Collaborative Learning