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S1 Discussion Questions

1) What are the major similarities and differences between Structured Programming and Object-Oriented Programming?

2) What is an algorithm? What is a program? What are the relationships between these two concepts?

Programming is all about solving problems, a technique used by programmers to solve problems is step by step process involving making algorithms. Make an algorithm includes analyzing a problem, outlining the problem’s requirements, designing steps to solve the problem and implementing those steps in a programming language, such as C++. A program is the implementation of an Algorithm. To develop a program to solve a problem, you analyze the problem, design an algorithm, and then enter the program into a computer system. I believe the key concept to remember is that a programmer will have more success if he/she spends a considerable amount of time analyzing a problem and designing an algorithm before actually starting to write the program.