



ADVENTIST UNIVERSITY OF CENTRAL AFRICA

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Course: Introduction to Computer Programming

Assignment Title: Assignment#1

1. What is Computer Programming?

Computer Programming: Is a process of executing instruction through algorithm using a programming language. It helps humans to communicate with computers by writing set of instructions, following syntax and rules of programming language used to perform a given task.

2. Programming vs Algorithm

A computer Program: Is set of coded instruction using a programming language to perform a specific task. While on other hand, **an algorithm**, is set of rules and instructions to be followed to perform a given task step by step.

Example: If a programmer or developer was trying to develop a computer program, he needed an algorithm that contains steps that he would follow until he finishes them and get that program running perfectly.

3. Real World Example of where algorithm applied

In Schools algorithm used when planning the process of academic year, including assign courses to actual lecturers, making groups of courses on specific days. So they need steps of instruction they will need to make it work.

Reference

Manirakiza, S. (2025). Introduction to Computer Programming - week1 lecturer notes.