Computer Science Assignment № 1

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Question 1

A greedy algorithm allows for a program to find the quickest way to execute a program with the least amount of moves or actions.

Question 2

Another option for solving the coin problem is to use dynamic programming. It allows for the same problem to be solved, just without the greedy algorithm. The mod function, while promising, would not be applicable to this situation because it can not handle the values.

Question 3

Other applications for the greedy algorithm include data compression and problems involving efficiency.