Program 12: Cryptarithmetic Problem

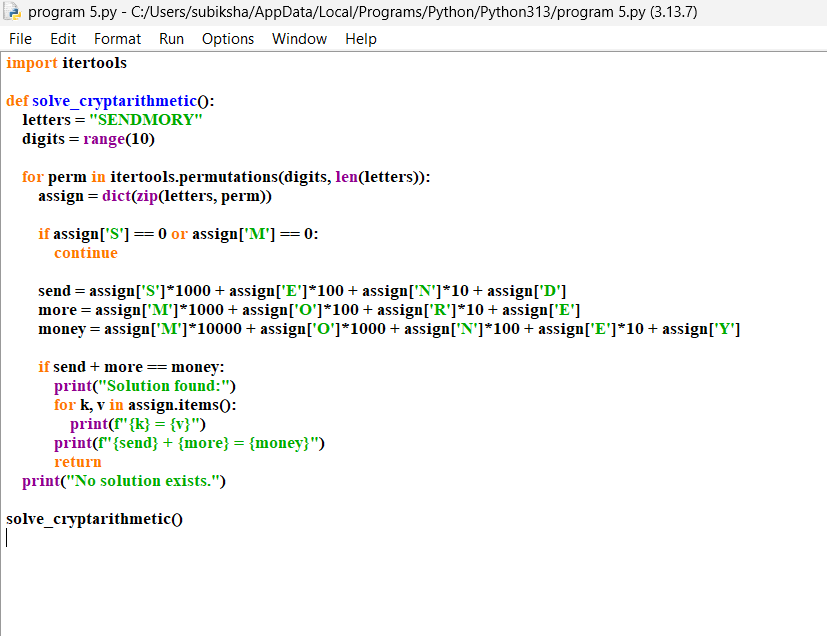
Aim

To write a Python program to solve the Cryptarithmetic puzzle using backtracking, where each letter represents a unique digit.

Algorithm

1. Define the puzzle equation (e.g., SEND + MORE = MONEY).
2. Extract all unique letters involved.
3. Generate all possible digit assignments (0–9) without repetition.
4. Substitute digits for letters.
5. Check if the equation holds true.
6. If a valid solution exists, print it.

PYTHON CODE



OUTPUT

