PCDIT Worksheet

(P)roblem Statement:

From problem description, identify the input and the output, and summarize the process to get the output from the input. Identify the data types of the input and the output.

Input:

Output:

Process/Computation:

Test (C)ases:

Create test cases. Generate different kinds of possible input and work out the outputs. Think of the various possible inputs and outputs, and their boundary cases.

(D)esign Algorithm:

From test cases, write down the steps in English. Identify sequential, repetition, and conditionals structures, and revise the steps. Use certain keywords such as: if … then ..., while … do ..., for every … do .... Generate pseudocode. Revise several times.

(I)mplementation:

Implement the pseudocode in Python

(T)esting:

Test the Python code using different test cases. Use a debugger.