REPORT -assembly code

At first I am taking x2 as that is stack pointer and has kept address of the 0x(10000100) where have to write finally the result.

Then make one label of that contain .dword input as machine may have different data addresses

Its base address is stored in x3 and each time when going to the original function I am increasing it by 16 has it is reading 2 double word at a time.

Then I have made a function/macro name GCD that is based on the repeated addition methodology

Used temporary register t3,t4 to contain two value at a time passing to the function.

Then when both value are equal then that value will be the and I am restoring that value into a0 and finally returning to the next instruction where jal has been called by using the jalr.

And thus, using sd storing the value in the given memory place as x2.

Input:

label: .dword 12,0,125,50,32,16

outpu:- 0,25,16

label: .dword 12,9,33,32,32,18

outpu:- 3,3,2