CS286 Programming Project #2 Grading Checklist

Student ID (only the last 3 numbers*): 802
*Note: some people have to write down 4 digits

I. MODULE MAIN STRUCTURE

(1) A program begins with “main:”       YES: ✔       NO: ☐
(2) "$ra register" is saved ("sw $ra, X($sp)"") at the beginning of module main:

YES: ☐       NO: ✗ $do is NOT Saved

(3) Other registers (other than $ra) are saved ("sw $yy, X($sp)"") at the beginning of module main:

YES: ☐       NO: ✔

(4) There is "jal" inside of module main:

YES: ✔       NO: ☐

(5) $ra register is restored ("lw $ra, X($sp)"") at the end of module main:

YES: ✔       NO: ☐

(6) Other registers (other than $ra) are restored ("lw $yy, X($sp)"") at the beginning of module main:

YES: ☐       NO: ✗ $vy is NOT restored

(7) There is either:
   (a) "jr $31"
   (b) "li $v0, 10" followed by "syscall"
At the end of the module main:

YES: ✔       NO: ☐

II. RECURSIVE MODULE STRUCTURE

(1) "$ra register" is saved ("sw $ra, X($sp)"") at the beginning of the recursive module:

YES: ☐       NO: ✗

(2) There is "jal" inside of the recursive module:

YES: ✔       NO: ☐
(3) $ra register is restored ("lw $ra, X($sp)") at the end of the recursive module:

YES: ________  NO: ________

III. PROGRAM OUTPUTS

(1) GCD (7654, 344) = 86, 3 (or 4) rounds
(2) GCD (782, 52) = 2, 3 (or 4) rounds
(3) GCD (1234, 84) = 2, 6 (or 7) rounds

\# of round is 7 for all inputs and the GCD is always 1 outputs are wrong.