TPS 7

Andre Martin

TPS1

1. Function takes parameters and returns a value, and a procedure is the same as a function but doesn’t return a value. Methods are similar to functions but are internal to a class.
2. Ok
3. Ok

4. line 13: jumps to sum label, line 20: runs function under label SUM ($s0 = $a0 + $a1)

5. we can use j but it would not be proper convention to use j, instead use jr to show that its a function

6. the return address should be saved in line 11. $ra is the register the value is being saved to.The value zero is being saved. This value makes sense

7. Error in invalid program counter…

8. The address of the return address is 0x00400020

9. It goes into an infinite loop because it keeps going to J sum, the correct return address should be 8 over , 0x00400028

10. The new return address is . The output 15

11. jal

12. Ok

TPS 2

1. the output of proc2.c is y = 10 + 5 + (5 + ((15+5) - 2))) = 38.
2. Ok

3. sum knows where to return to because jr $ra jumps back to the return address and jal jumps and sets the return address to jump back to the same line.

4.Ok

5. $s0 is stored into $a0 to be used as an argument for $s0,

6.Ok