

- (Main)
 - Jump to start
 - Jump to findMin
 - Jump to finMax
 - Jump to FindAvg
 - Jump to Display
- (Display)
 - Display the min,max, and avg
 - halt
- Findmax
 - Iterate through the numbers and find the largest
 - return
- FindMin
 - Iterate through the numbers and find the lowest
 - return
- (Div)
 - Add all scores/ divide by 5
 - return
- Branch to FindAvg
 - Branch to div
 - Return with result back to main
- Branch to start
- (Start)
 - In start branch to ADDNUM subroutine 5 times to get a valid test score numbers
 - Store result in num1-num5
- (ADDNUM)
 - Ask the user to input a number within the range 1-3
 - If (input>3 or input < 0)
 - Branch to error
 - Else
 - Continue
 - If (input = 3)
 - Branch to Three
 - Else if (input = 2)
 - Branch to Two
 - Else
 - Branch to One
- (error)
 - Halt program
- (MULT)
 - Take user input multiply by 10
 - Return to Two
- (Three)
 - Save decimal 100 into a register,(to be stored later)

- Return to start
- (Two)
 - Prompt the user to enter a number from 0-9
 - Check user input
 - if(input is invalid)
 - Branch error
 - Else
 - Continue
 - Branch to Mult
 - (number has been multiplied by 10)
 - Prompt the user to enter a number from 0-9
 - Check user input
 - if(input is invalid)
 - Branch error
 - Else
 - Add previous multiplied input for total
 - Return to start
- (One)
 - Prompt user to enter a number within the range 0-9
 - If (input is not valid)
 - Branch to error
 - Else
 - Return to start