# Focused 6 Checklist

## Programming / Functionality

* in main():
  + Declare four double variables.
  + Declare four pointer that points to above four variables
  + Prompt the user and get those four floating-point numbers using the getDouble() function (one number per input line). If any of the floating-point numbers are invalid, quit the program (do not use exit()).
  + Declare a double variable for the average and another double variable for the sum.
  + Call doubleTheData(), passing the four variables as appropriate.
  + In the next line display the new value of all the variables, do it in single line, using single printf() statement, “after doubling the numbers the new values are: ”
  + Declare an array of seven doubles.
  + Prompt the user and fill in the array values using the getDouble() function (one number per input line). If any of the floating-point numbers are invalid, quit the program (do not use exit()).
  + Call calculateArrayStats(), passing the array, average, and sum variables as appropriate.
  + Display the average and the sum, preceded by “The average and sum of the array elements:” and with a comma between the average and sum.
  + Call fillArray() to change all of the array element values to 40.
  + On a single line, display all elements of the array, separated by commas. Make sure that the final number does not have a comma after it.
  + End with return 0. getDouble ():
* doubleTheData ():
  + This function should only double the incoming pointer data and assigned them back.
* calculateArrayStats ():
* fillArray ():

## Submitting

* submitting:
  + f6.cpp
  + checklist.pdf