(1) Rewrite your program that uses input to prompt a user for their name, but if the name

matches “Computer“ or “computer" respond with something else:

Enter your name: Computer

Hey, that is my name!

A screenshot of a computer

Description automatically generated

(2&3) Write a program that asks for and takes in 2 numbers. If the numbers add to over 10, write

“These add to a number greater than 10." If they are the same, instead state “Numbers match!”

Otherwise simply state the sum of the numbers.

Enter a number: 4

Enter another number: 7

These numbers add to a number greater than 16.

Enter a number: 6

Enter another number: 6

Numbers match!

A screenshot of a computer program

Description automatically generated

(4) Rewrite your pay computation from assignment 1/2 to give the employee 1.5 times the

hourly rate for hours worked above 40 hours.

Enter Hours: 45

Enter Rate: 4.50

Pay: 213.75

A screenshot of a computer

Description automatically generated

(5) Next to the code where there is an if statement for the above questions, write comments

stating what the conditional is checking.

Function assignment:

(1) Write a function that accepts an array of numbers (i = [1 ,2,3,4,5]) and returns the maximum

value in the array. Do not use the built-in max function.

A screenshot of a computer

Description automatically generated

(2) Write a function that accepts an array of numbers (i = [1,2,3,4,5]) and returns the minimum

value in the array. Do not use the built-in min function.

A computer screen shot of a computer

Description automatically generated

(3) Write a function that accepts an array of numbers (i = [1 ,2,3,4,5]) and returns the average

value of the array. Do not use the built-in average function.

A screenshot of a computer

Description automatically generated

(4) Write a function that accepts an array of numbers (i = [1 ,2,3,4,5]) and returns the sum of all

values of the array. Do not use any built-in summing functions.

A screenshot of a computer

Description automatically generated

(5) Write a function that accepts an array of numbers (i = [1 ,2,3,4,5]) and returns the range of

the array (distance between the maximum and minimum values).

A screen shot of a computer

Description automatically generated

(6) Write a function (takes no arguments) that asks for a user's name repeatedly until the user

enters YOUR NAME (like, "Jonathan" in my case) and then exits.

A screenshot of a computer

Description automatically generated

(7) Answer this question:

A screenshot of a computer

Description automatically generated

(8) Rewrite questions 1-5 all in a single function that returns those 5 values as a list [a,b,c,d,e].

A computer screen shot of a computer code

Description automatically generated