**Name: Session:**

**Programming I**

**Lab Exercise 9.24.2024**

**More Function Practice**

**Submit your documented source code.**

1. Write a function *reverseString* that **receives** a string and **returns** a string that is the reverse of the original. For example, if pass the function the string “hello”, it will return the string “olleh”.
2. Write a function calcSeries that **receives** an integer n and **returns** the sum  . For example, if n were 4, the function would calculate  .
3. Write a function gymScore that receives a list of 5 gymnastic execution scores ranging from 0.0 to 10.0. The function should return the average or score after removing the highest and lowest scores. For example, if your scores were [1, 7, 8, 9, 10], the function would return 8.0. Hint: the lowest and highest scores can be found with the min and max functions.
4. Write a program that creates a list of 1000 random numbers that range from 1 to 10000. The program should then send the list to a function listStats that returns the maximum, minimum and mean value of the list.
5. The electromagnetic spectrum can be divided up into 7 categories as shown in the following table.

A screenshot of a computer

Description automatically generated

Create a function that is passed the frequency of an electromagnetic wave (in Hz). Here is the conversion equation for wavelength (λ) given the frequency.



The function should return the category of EM Wave