**Instructions**

Develop functions that utilize the shortcut methods for finding values divisible by 2,3,4,5,6,8 & 9.

Using clusterApply( ) functions and operations execute those functions in parallel after generating a vector of 1000 randomly generated values between 10000 and 99999 as your data.

Store the values that are divisible by each number maintaining the list - for instance if I generated a random number short series of 10002, 22222, 32345, & 456789 I would have a final printout of:

Divisible by 2 = 10002, 22222

Divisible by 3 = 10002, 456789  ...... and so forth

Once you have completed the parallel operations, making sure your cluster size is appropriate, then plot the values 2,3,4,5,6,8 & 9 on the x axis and the total of the numbers as a bar graph so if you found 5 values divisible by 2 then the bar would go up 5 units on the y axis. (or something similar) Mainly just visualize your data appropriately.

You can not use the %% operator as your only divisible solution.  You must use the shortcut rules (which may included the %% operator in the end) for full credit.

For full credit, submit code (text form) and screen shots in one document.