**Approach 1: (followed to complete the test)**

1. Check if max number entered by user is valid or not.
2. If it is valid number, greater than 0, then looping through 1 to max number.
3. In each iteration, firstly checking the individual digits of a number is prime or not.
4. And then checking the complete number if prime or not.
5. If both succeeds, then returning true. It is a Mega Prime and storing this to string builder.
6. At the end, displaying string builder values to console, which is list of mega primes within that specific range.

**Approach 2:**

1. Check if max number entered by user is valid or not.
2. If it is valid number, greater than 0, then looping through 1 to max number.
3. In each iteration, check if number is prime or not and store to array or list if it is prime.
4. Loop through the prime numbers list and check the digits of a number are prime or not.
5. If both succeeds, store the number to string builder.

**Reason for not choosing Approach2:**

*Approach 2 won’t be efficient enough. Because we will have very few numbers in every 1000 numbers for which we have to check if it is prime or not. The rest of the numbers will fail when its digits are not prime.*