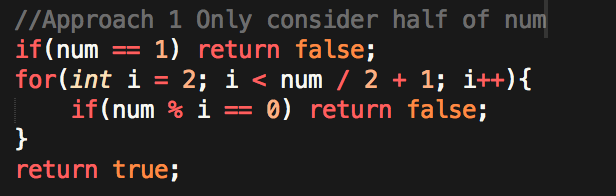
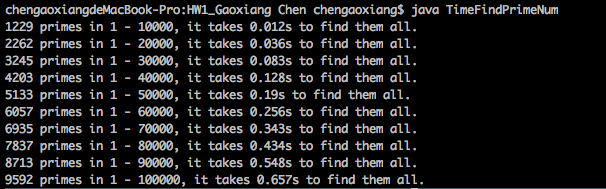
1. Output from program

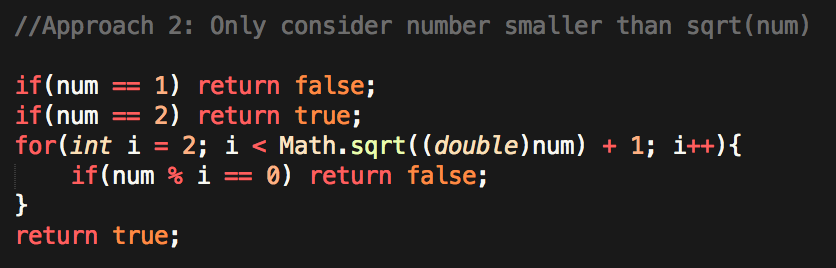
Result:

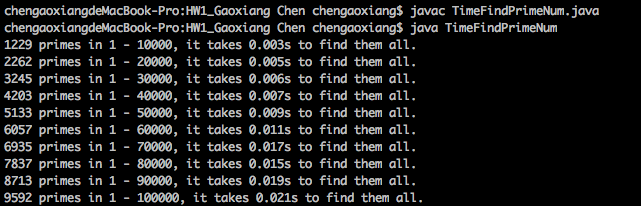
Approach1:



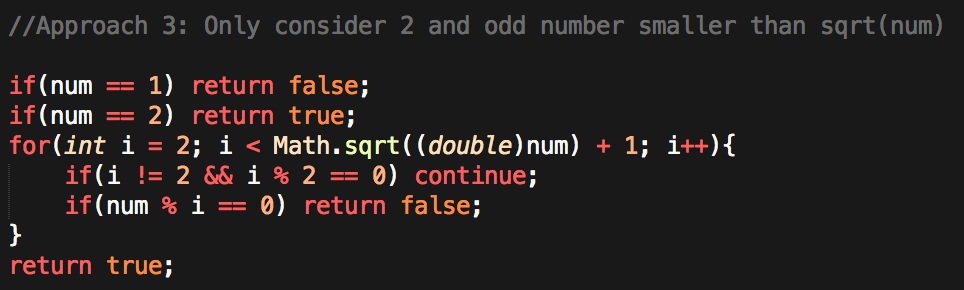


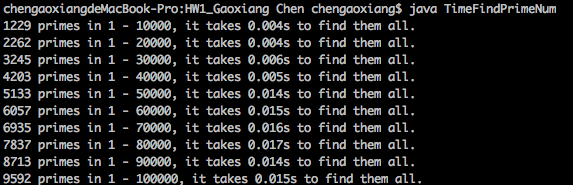
Approach2:



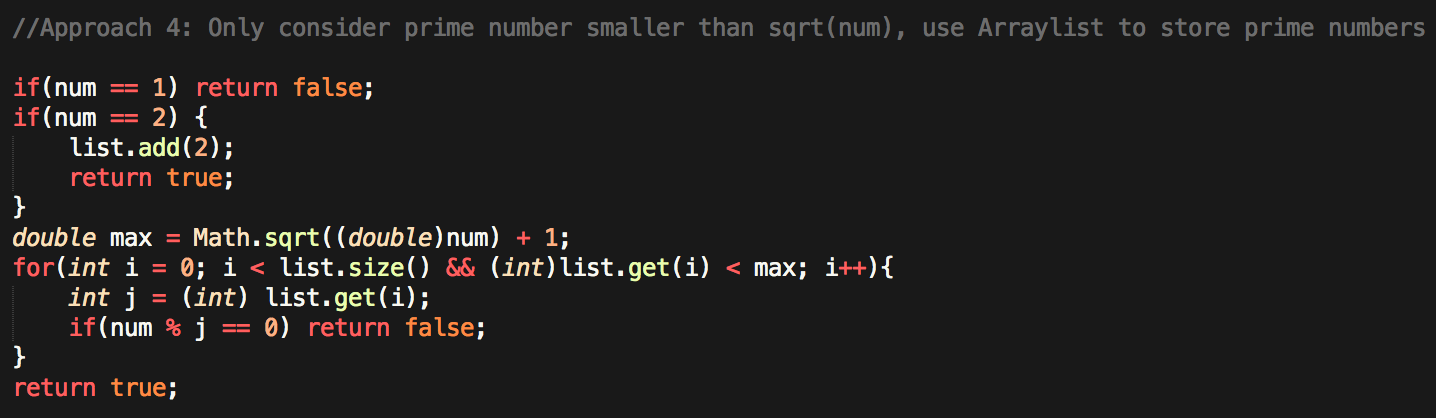


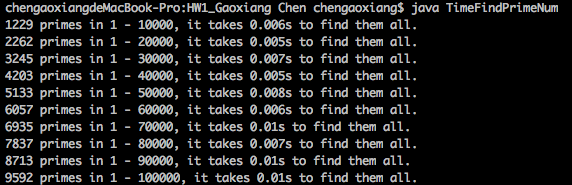
Approach3:



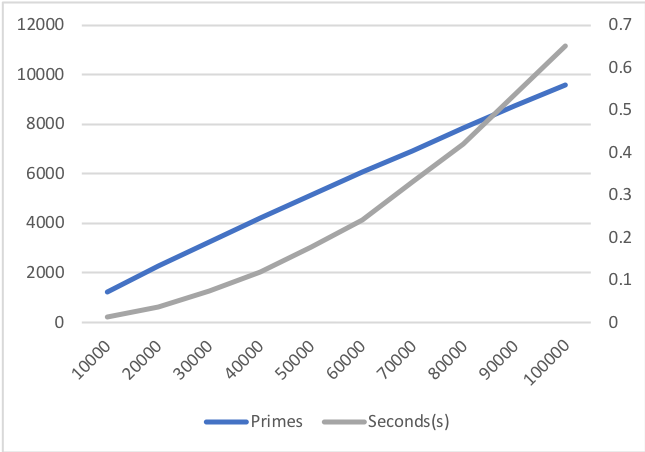


Approach4:

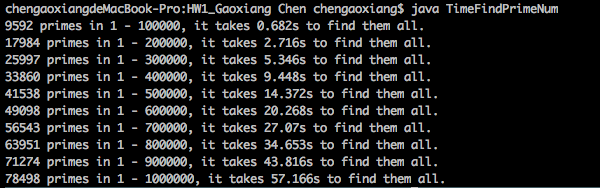
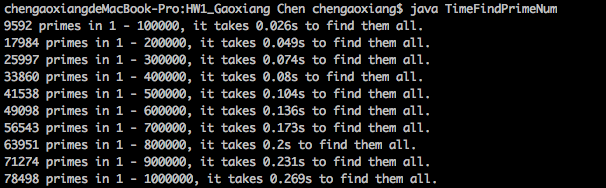
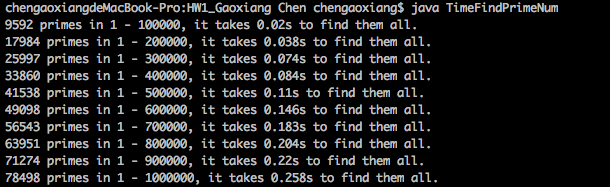
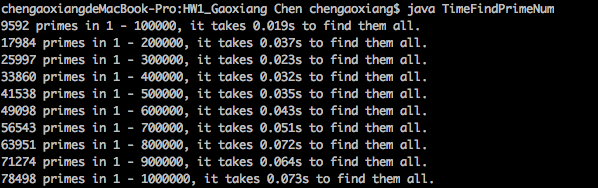




1. Plot（Approach 1）



1. When counting 100000-1000000, there are dramatic difference between different algorithms.

(1)(2)(3) (4)