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Class: BCSE II Sem:First
Session 2020-21

Assignment Set: 1 **Problem No.** 3

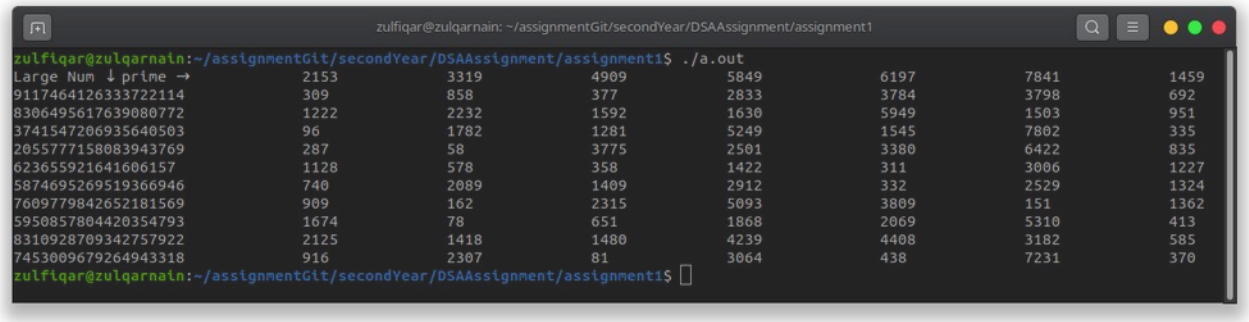
Problem Statement: Take a four-digit prime number P. Generate a series of large integers L and for each member Li compute the remainder Riafter dividing LibyP. Tabulate LiandRi. Repeat for seven other four digit prime numbers keeping Li fixed.

Solution Approach:
Random 4 digit prime numbers are choosen (2153,3319,4909,5849,6197,7841,1459). Large numbers are generated using random number generator, then table is printed.

Structured Pseudocode:

```
prime_arr = { 2153,3319,4909,5849,6197,7841,1459}
for i=1 to 7:
        num = random()
        rem = num%prime_arr[i]
        print rem
end for
```

Results:



Separate files containing commented source code:
source code assignment7.c is attached .