

Variable Name	Data Type	Use
p,q	long long	Stores the two generated primes
n	long long	Stores product of p and q.
M	long long	Stores the message entered
phi	long long	Stores value of $\phi(n)=(p-1)(q-1)$
e	long long	Stores the public exponent e
d	long long	Stores the private exponent d
C	long long	Stores the Cipher