```
from __future__ import print_function
# Variables Used
sharedPrime = 23
sharedBase = 5
aliceSecret = 6
bobSecret = 15
# Begin
print( "Publicly Shared Variables:")
print( "Publicly Shared Prime: " , sharedPrime )
print( "Publicly Shared Base: " , sharedBase )
     Publicly Shared Variables:
     Publicly Shared Prime: 23
     Publicly Shared Base: 5
# Alice Sends Bob A = g^a mod p
A = (sharedBase**aliceSecret) % sharedPrime
print ("\n Alice Sends Over Public Chanel: " , A )
      Alice Sends Over Public Chanel: 8
# Bob Sends Alice B = g^b mod p
B = (sharedBase ** bobSecret) % sharedPrime
print(" \n Bob Sends Over Public Chanel: ", B )
      Bob Sends Over Public Chanel: 19
print( "\n----\n" )
print( "Privately Calculated Shared Secret:" )
# Alice Computes Shared Secret: s = B^a mod p
aliceSharedSecret = (B ** aliceSecret) % sharedPrime
print( "Alice Shared Secret: ", aliceSharedSecret )
 \Gamma
     Privately Calculated Shared Secret:
     Alice Shared Secret: 2
                                                  Text
bobSharedSecret = (A**bobSecret) % sharedPrime
print( " Bob Shared Secret: ", bobSharedSecret )
      Bob Shared Secret: 2
```

✓ 0s completed at 07:42