In [20]: DHKE1(5, 7)

```
print("-----")

DHKE2()

Modulus Chosen: 5
Base Chosen: 7
Number chosen by A: 633
Number chosen by B: 758
Exchanging shared keys for both A and B
A's calculated value: 2
B's calculated value: 4
Exchanging the calculated values
A's secret Key: 4
B's secret Key: 4

Enter n: 5
g: 2
Enter A's secret number (a): 633
Enter B's secret number (b): 758
Public Key of A: 2
Public Key of B: 4
Calculating the Shared Key for user A and B
A's calculated Shared key: 4
B's calculated Shared key: 4
```