

Output:

```
C:\Users\Dell\Desktop\orchid\5th sem\csc_316_cry_cryptography\lab_cry\labs\012_diffie_hellman\012_diff_hell.exe

Enter the modulus number m: 11
Enter the base number b: 5
Enter the private key of 1st party: 4
Enter the private key of 2nd party: 6
key shared by party 1: 9
key shared by party 2: 5
common key calculated by party 1: 9
commonn key calculated by party 2: 9
```