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Information & Network Security

(INS)– 2160711

Lab Manual

Semester 7th

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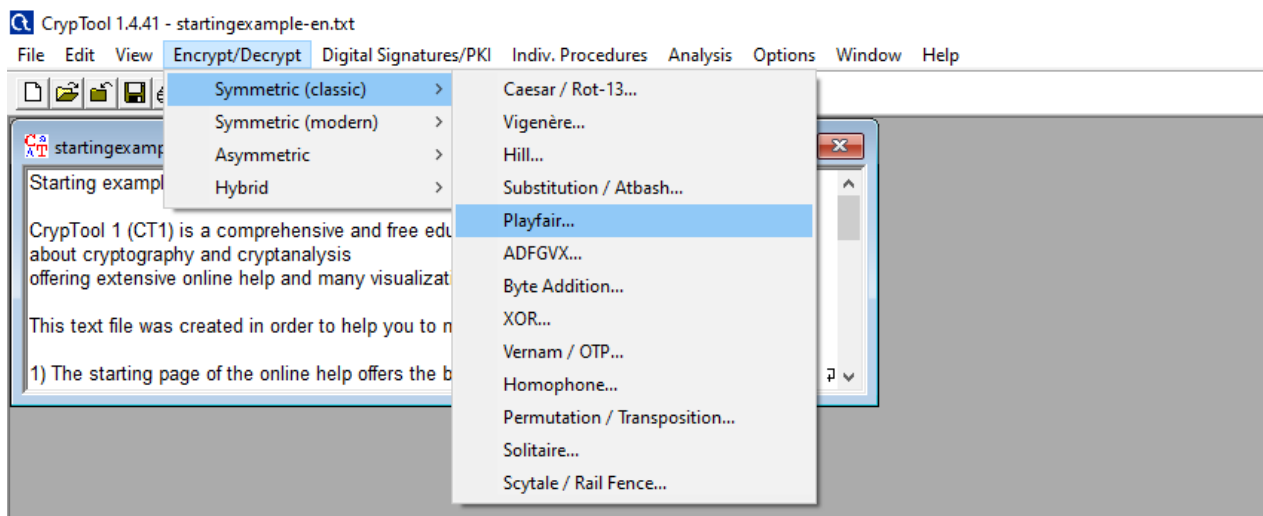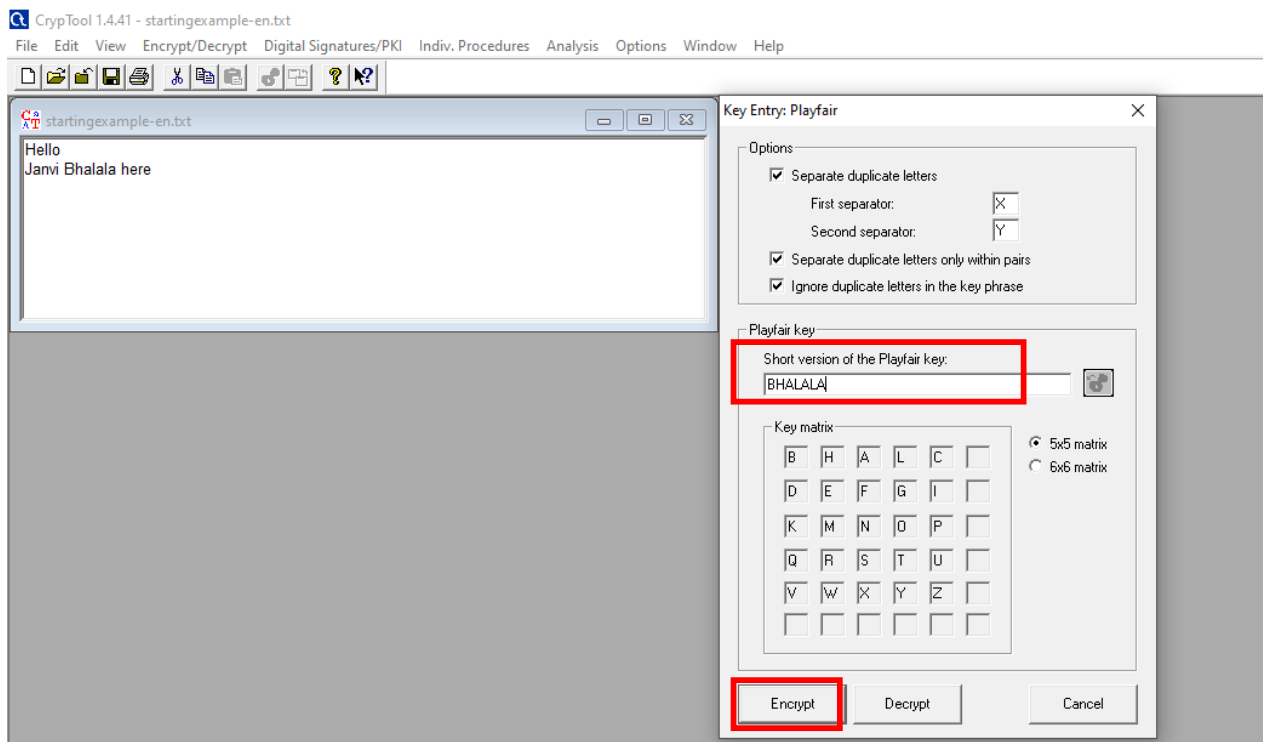
Practical 8

PRACTICAL IN CRYPTOOL 1
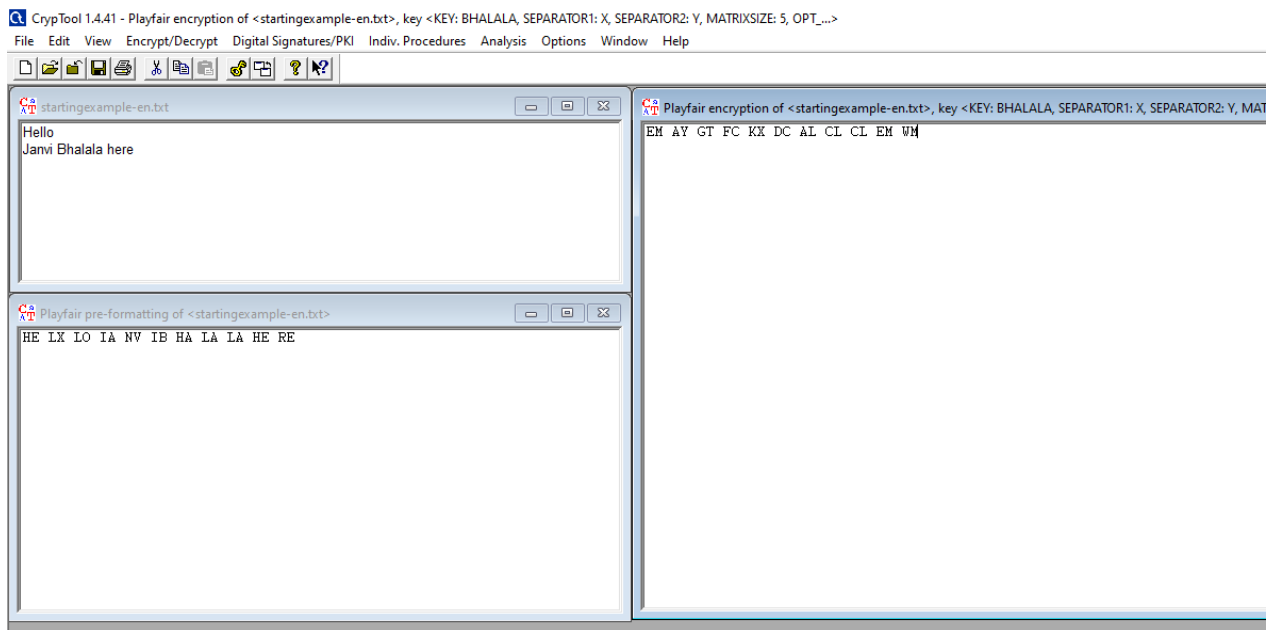
Playfair Cipher Encryption

1. Open Cyptool 1 -> Encrypt/Decrypt -> Playfair
   Steps are shown in thic picture

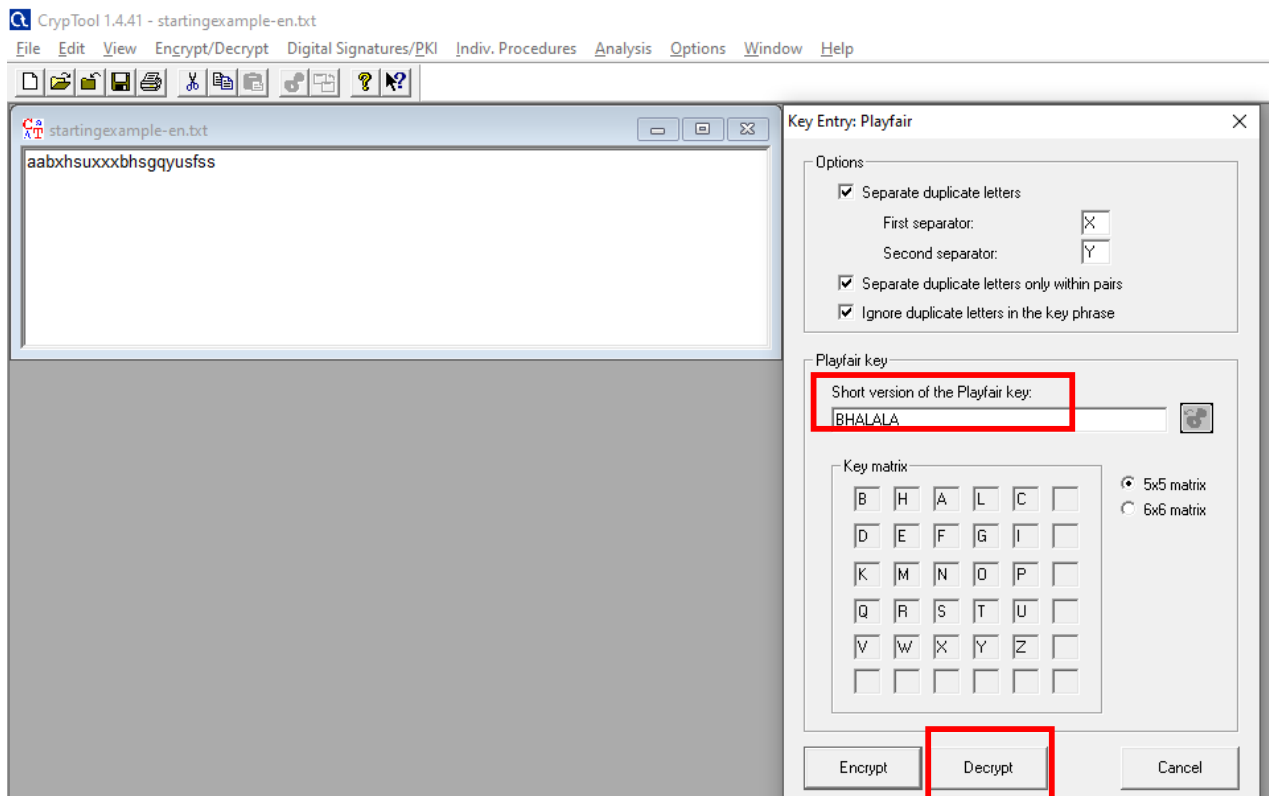2. Enter Key as shown in bellow image , here key is **BHALALA** ,Next press **Encrypt button**.
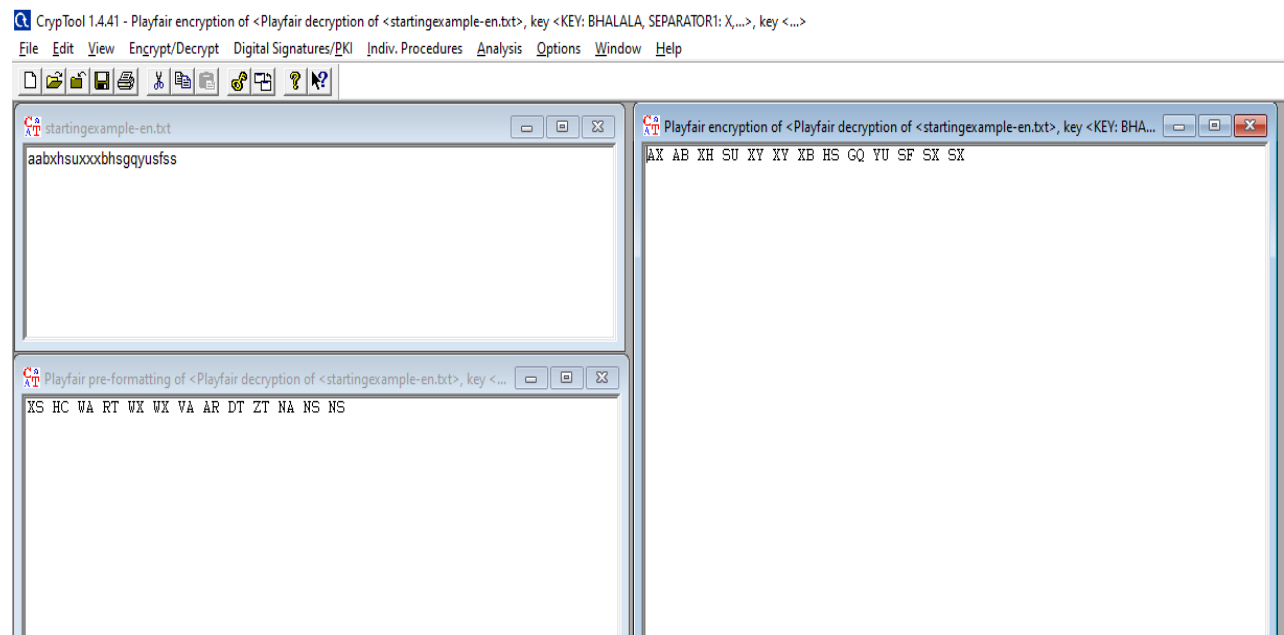
3.   Bellow Pic is Output of procedure.

Playfair Cipher Encryption

1.   Follow all Previous Steps and then click on **Decrypt**.
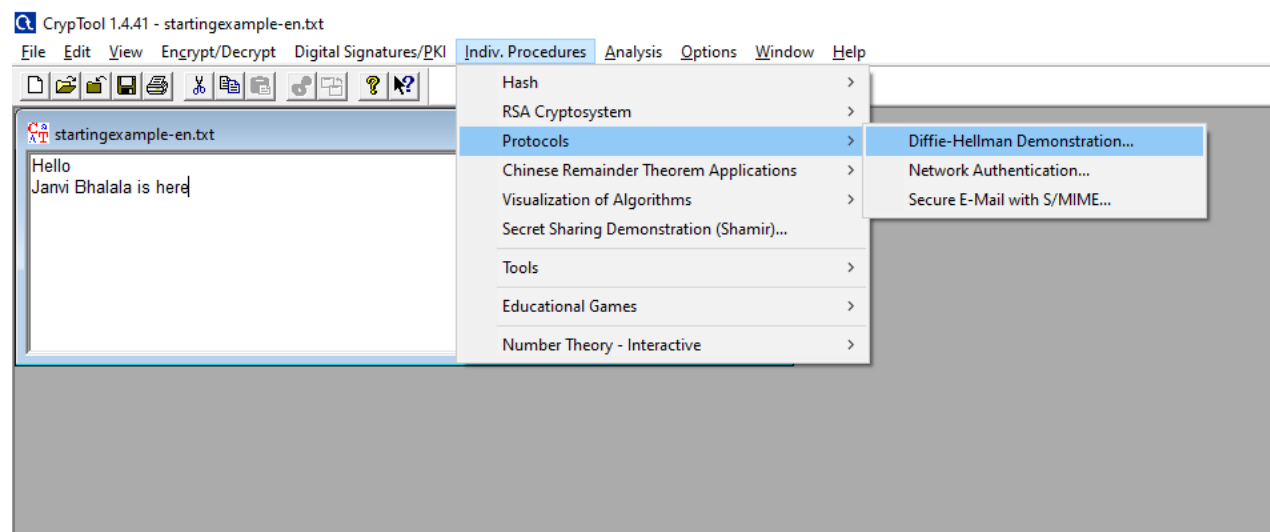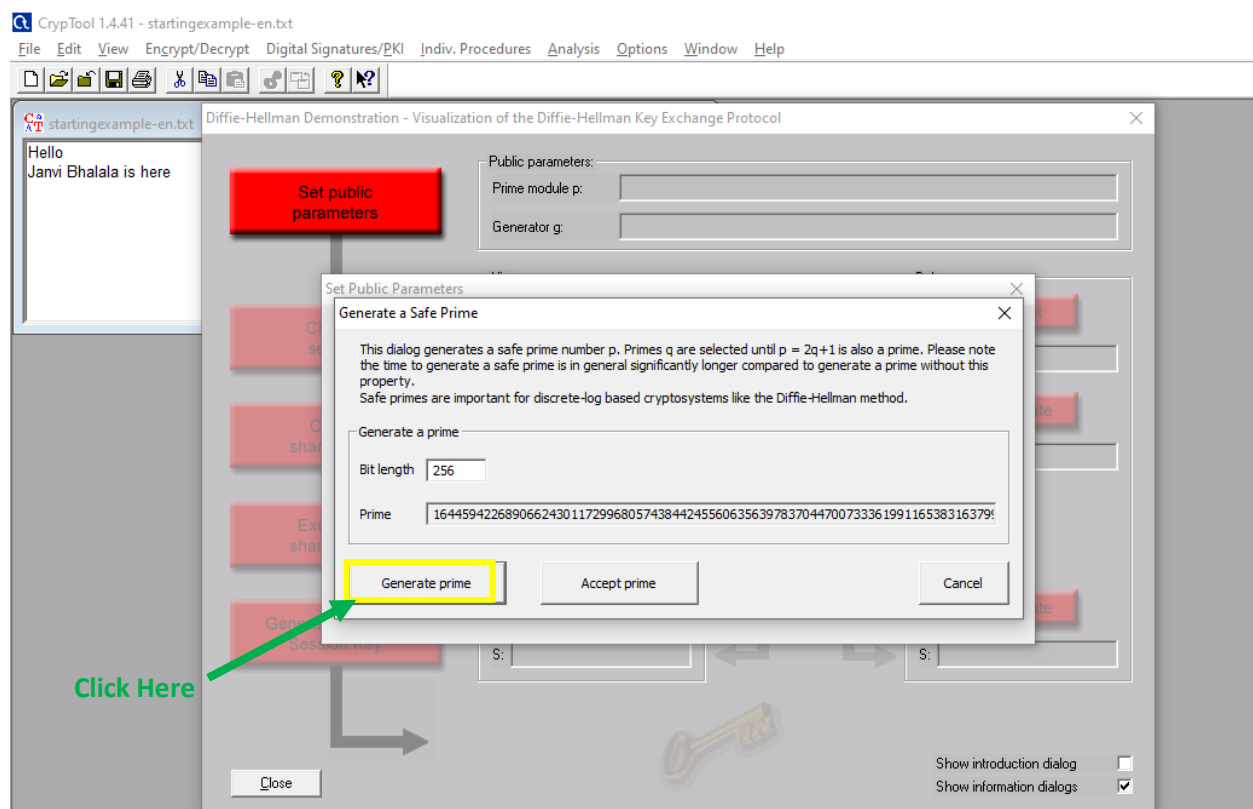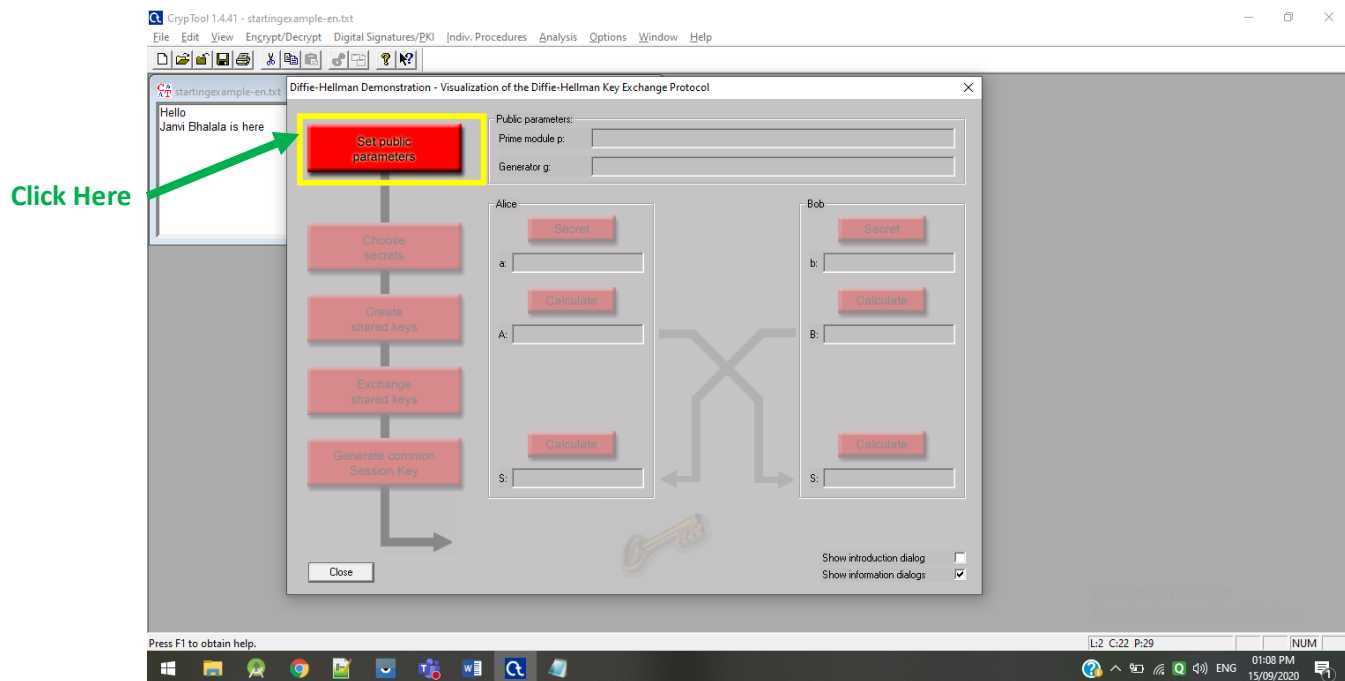
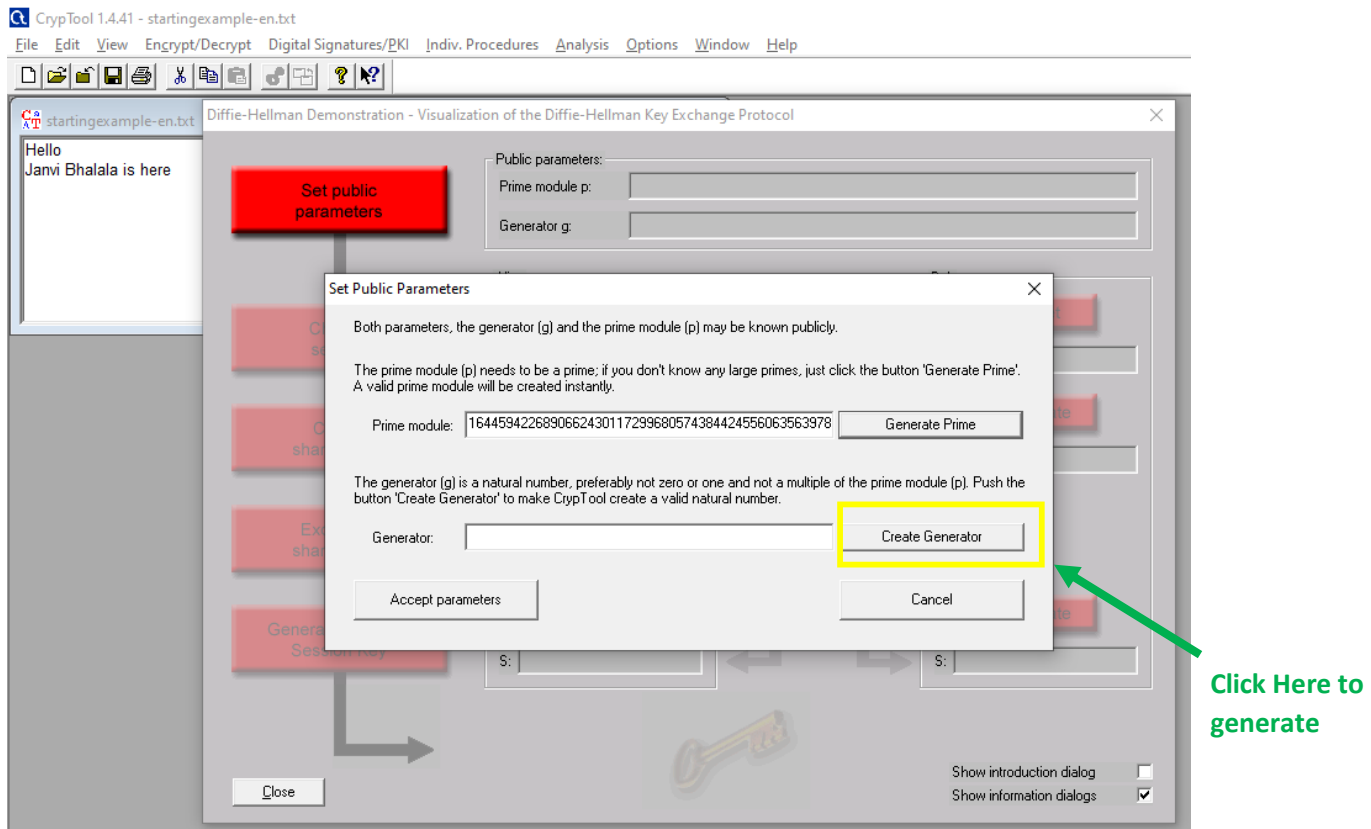You Can see The dicrypted text as Bellow.

DH Key exchange

1.   Open tool -> Indiv.Procedure -> Protocols ->Diffie-Hellman Demonstration
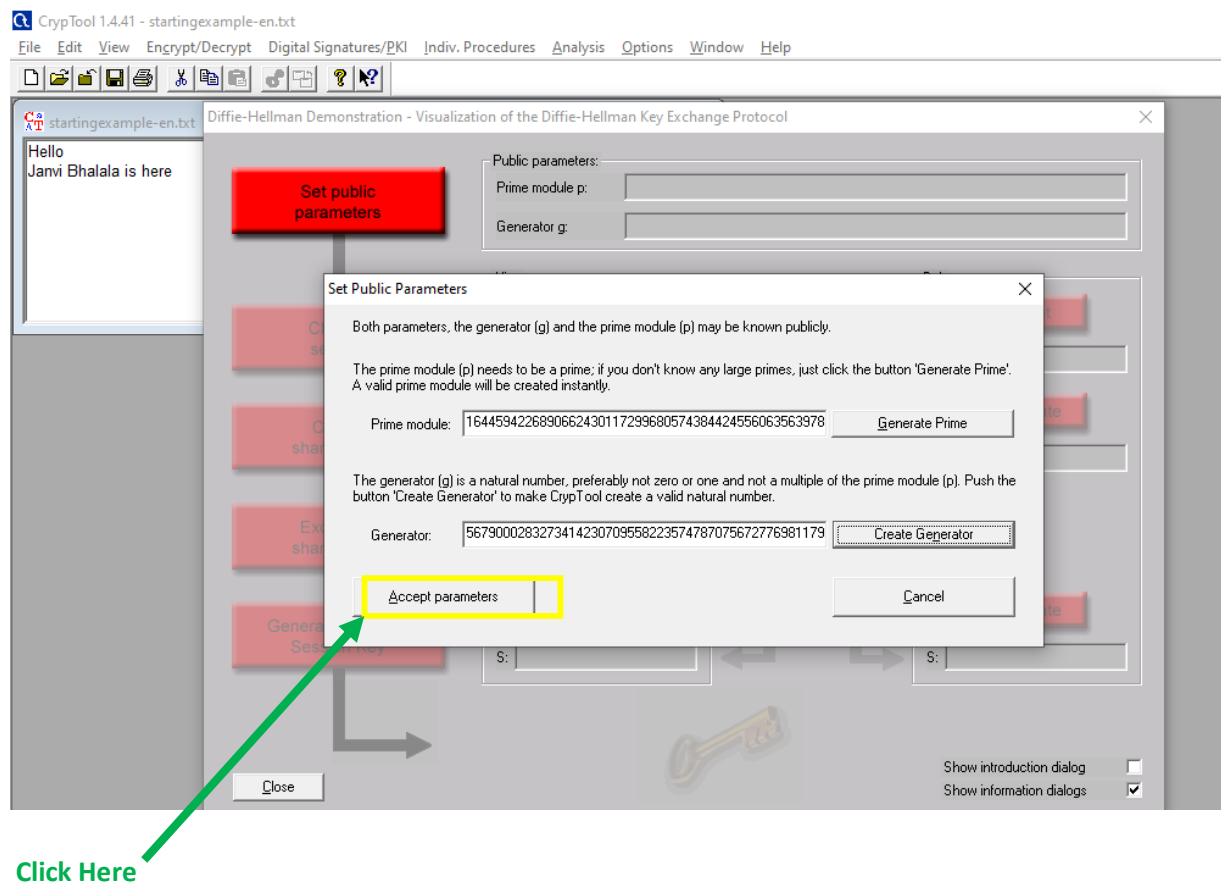
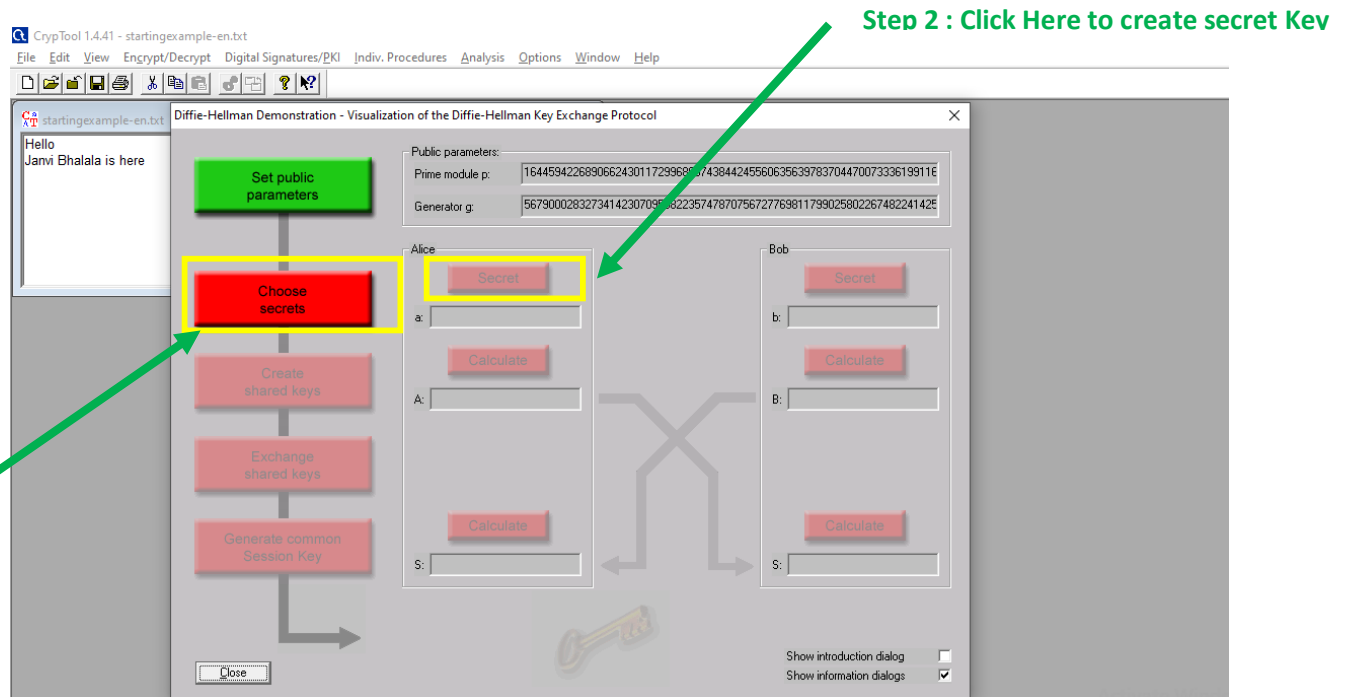2. Follow steps as highlighted over the image.

Prime Number is generated as shown in bellow image. Now to create generator click on **create generator** button.
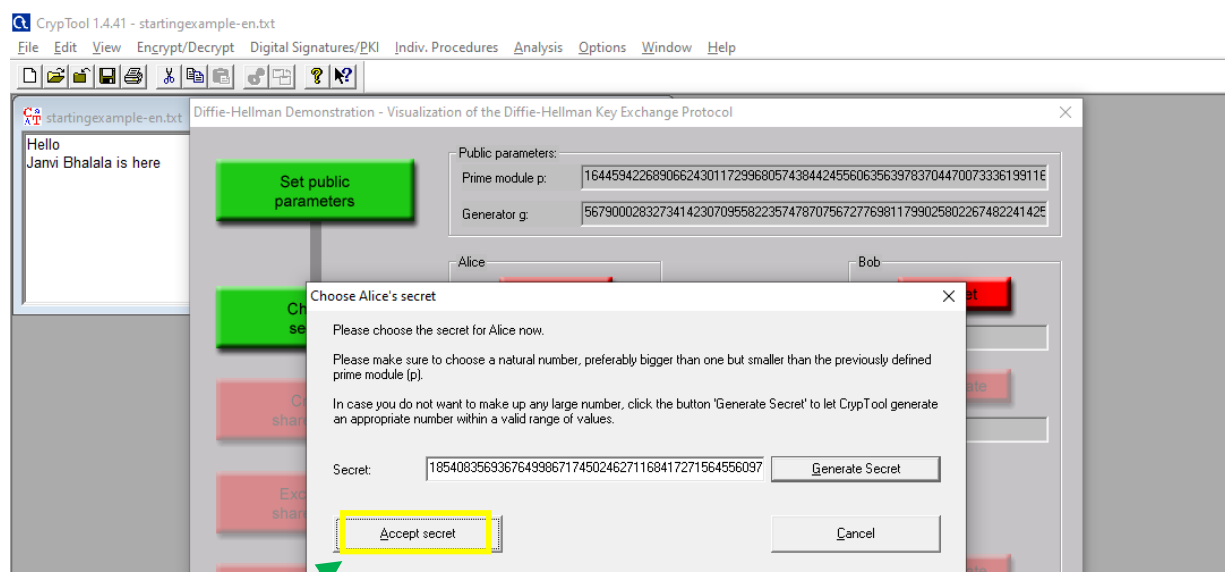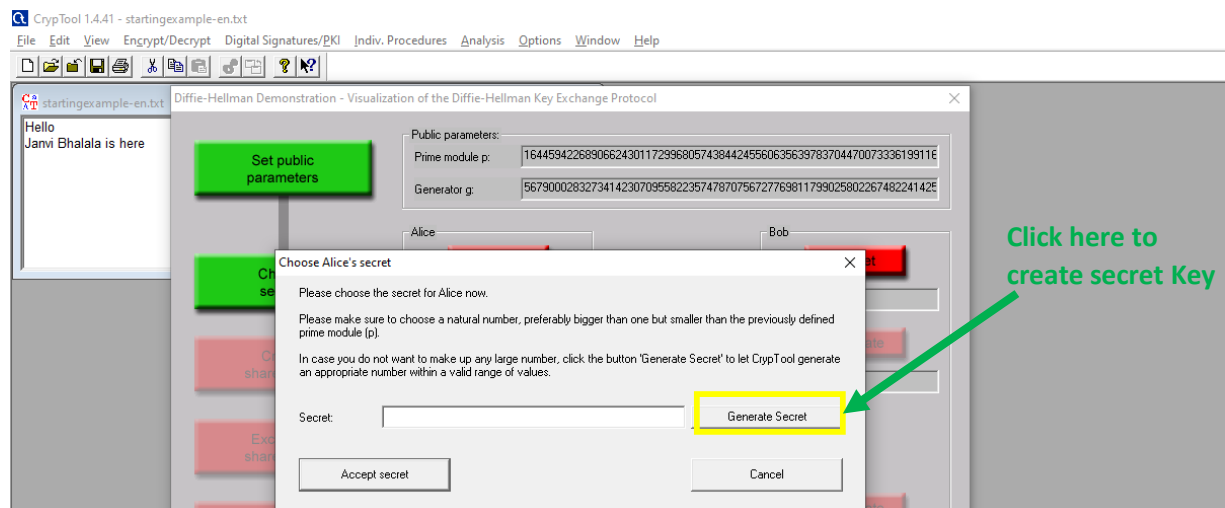
You can see all parameters are generated. At last click on **Accept Parameters**.
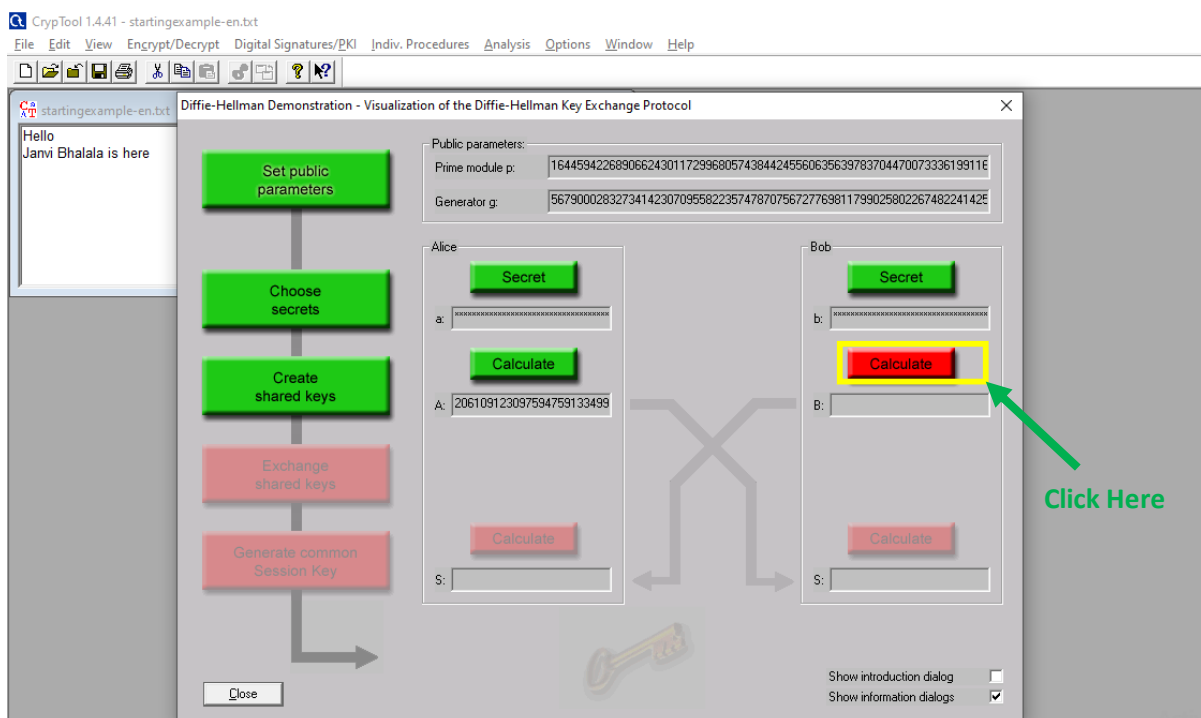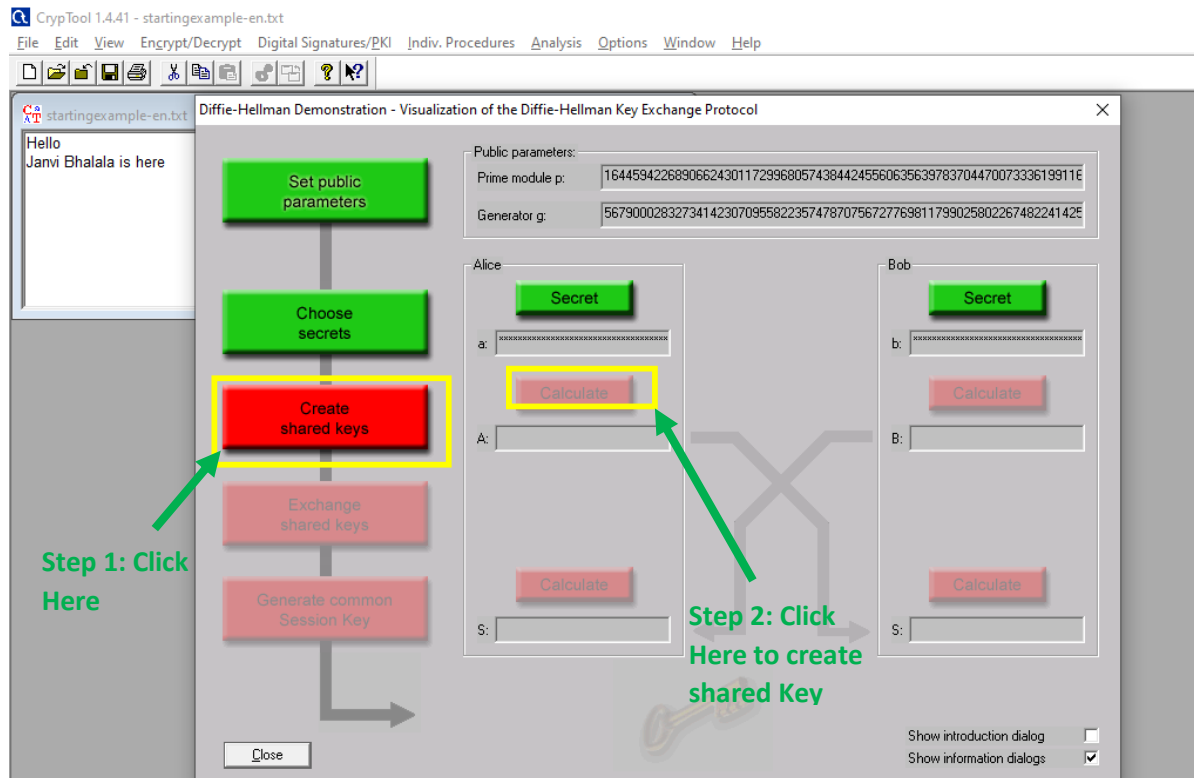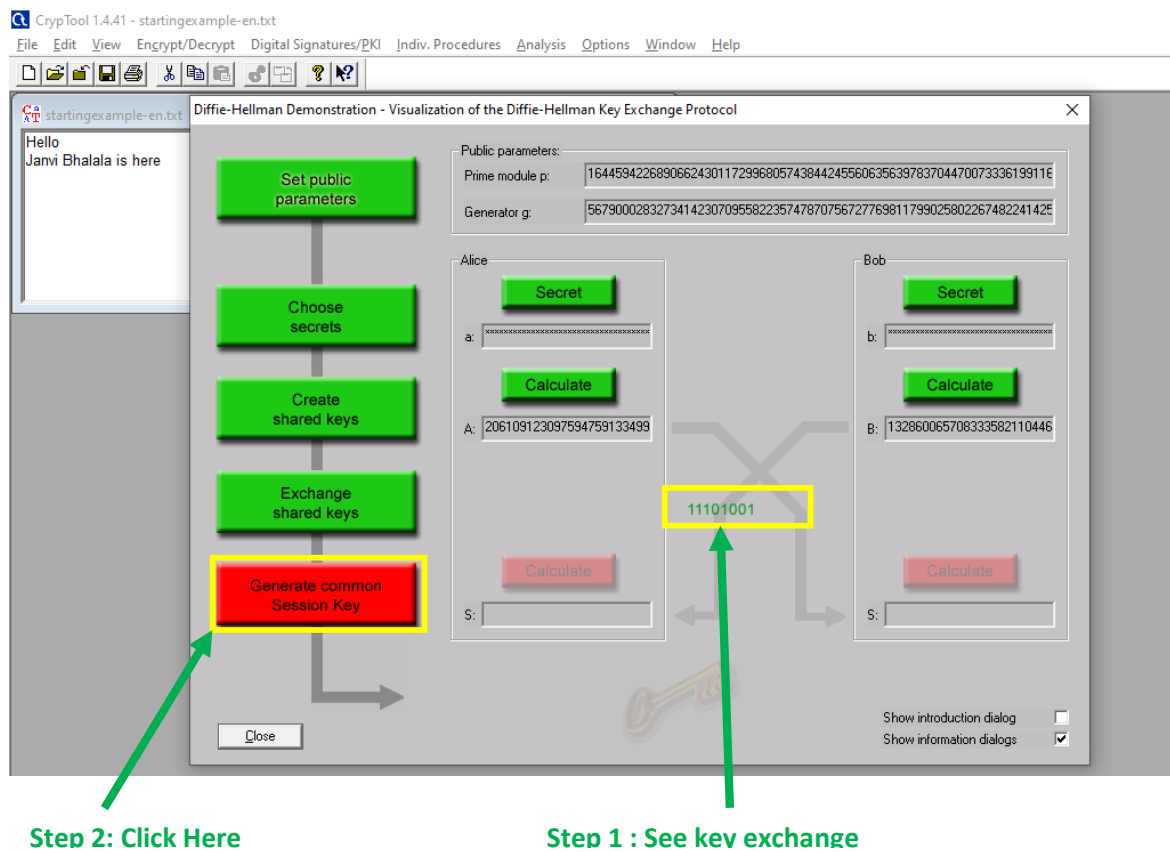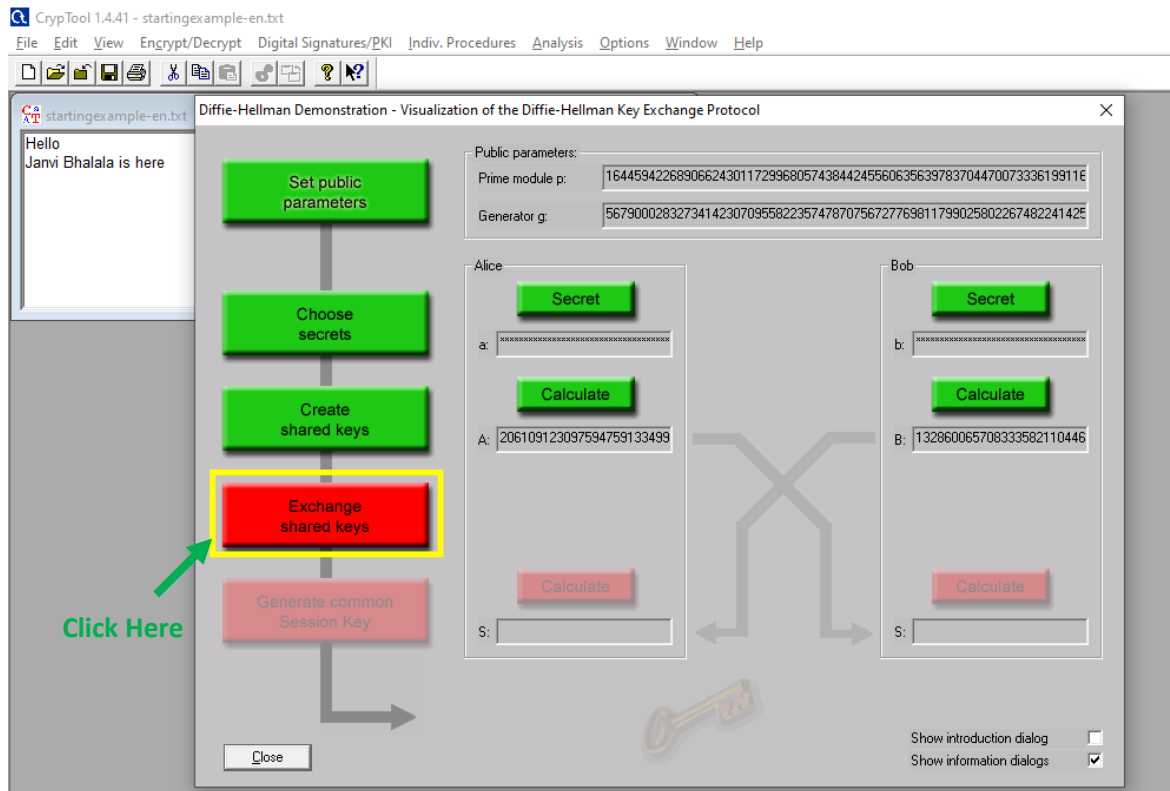
Step 2 : Click Here to create secret Key

Step 1: Click Here

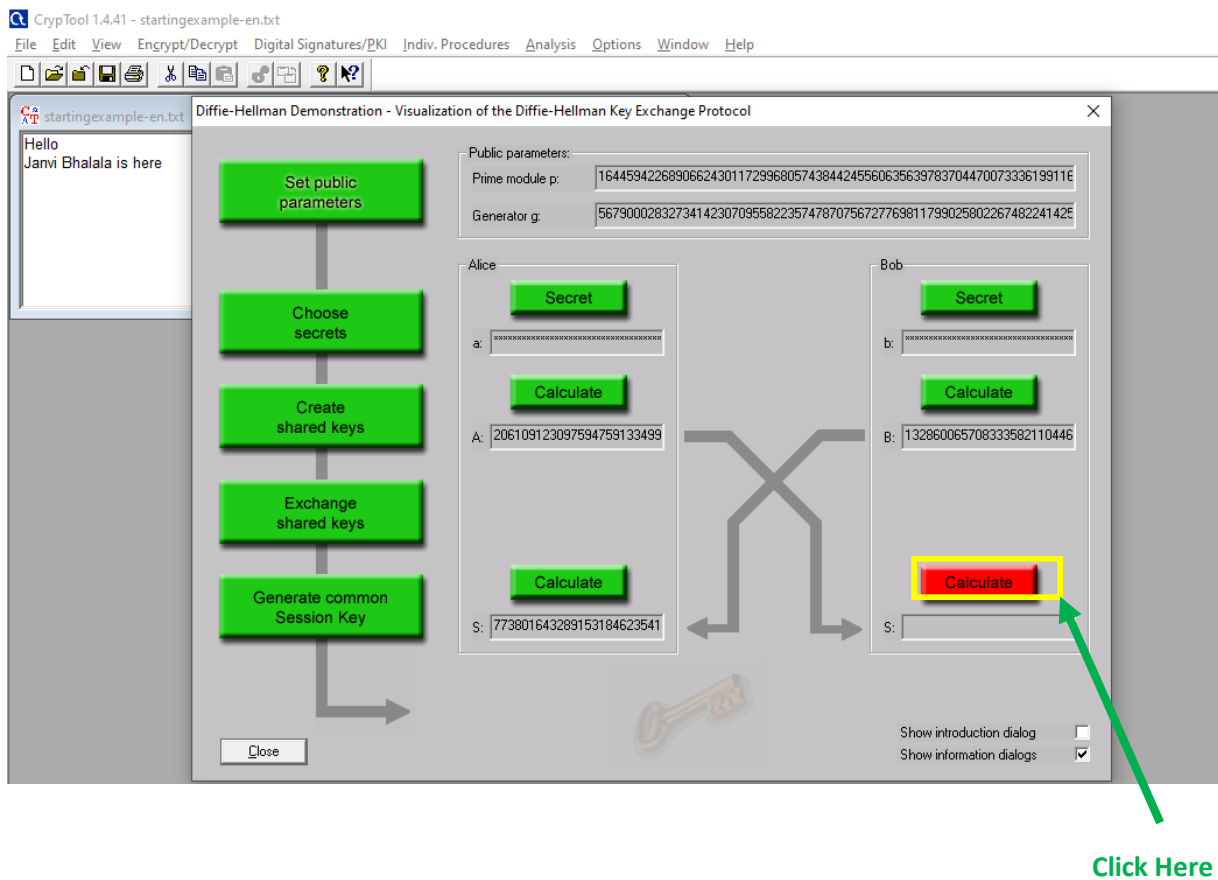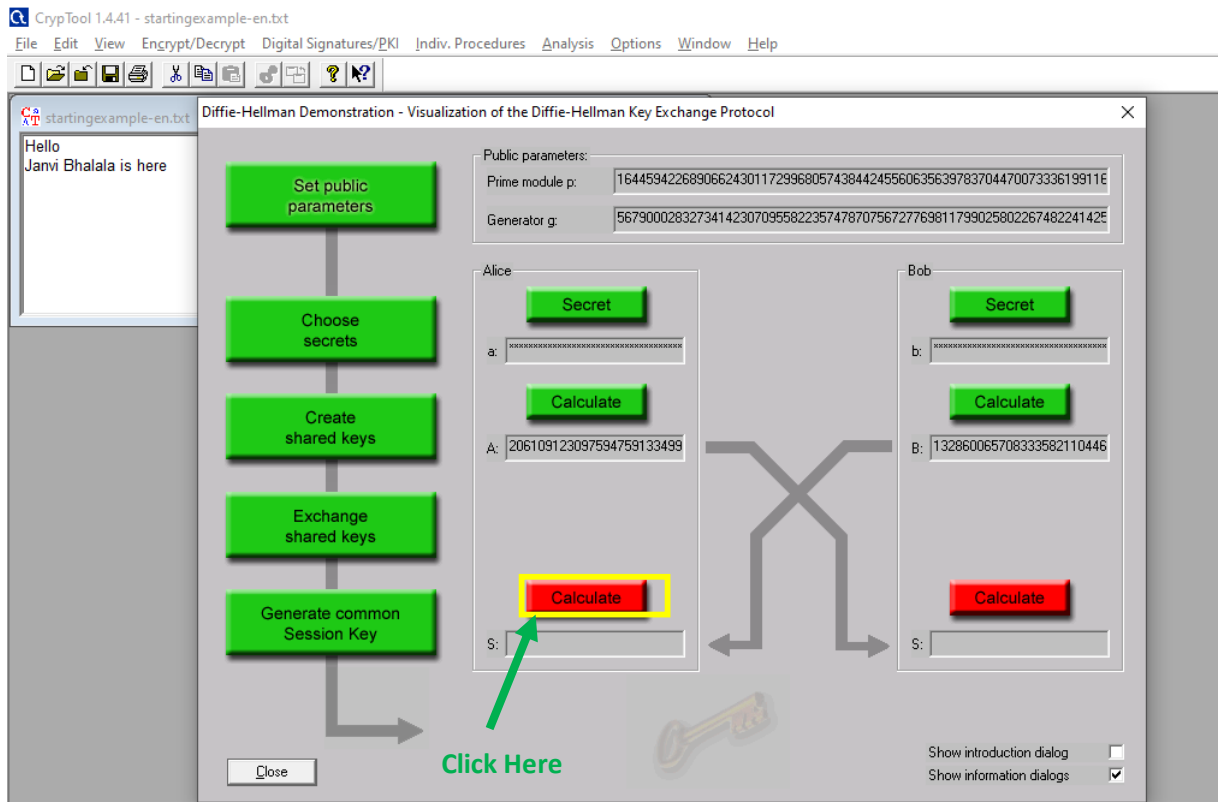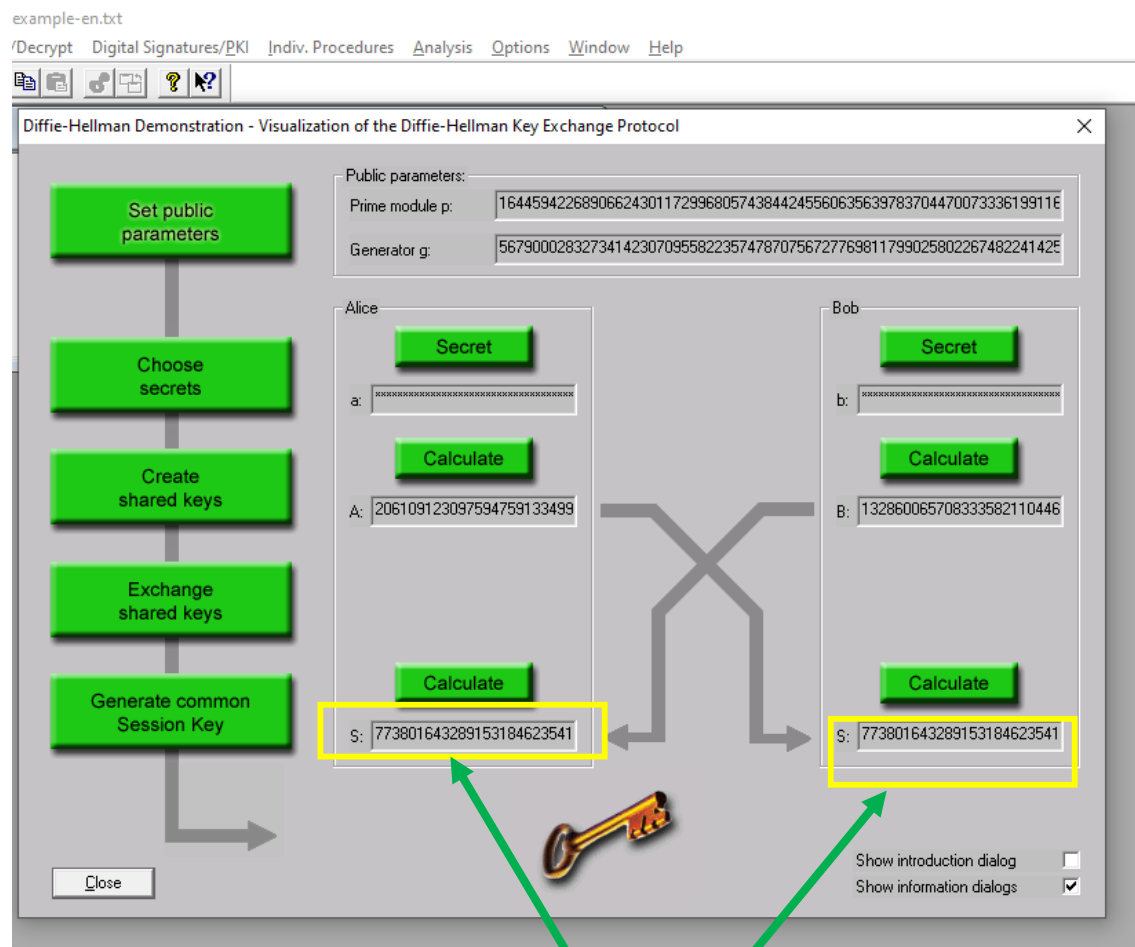Bellow step will generate secret key for Alice.

Click here to create secret Key

Click Here

Same way generate secret key of bob . once both secret keys are generated you can see screen like bellow image.

Click Here

Step 2: Click Here   Step 1 : See key exchange

Click Here

Click Here

Both values are equal