UCT 602

INFORMATION SECURITY

LAB ASSIGNMENTS

THAPAR INSTITUTE
OF ENGINEERING & TECHNOLOGY
(Deemed to be University)

SUBMITTED TO: DR GURPAL SINGH

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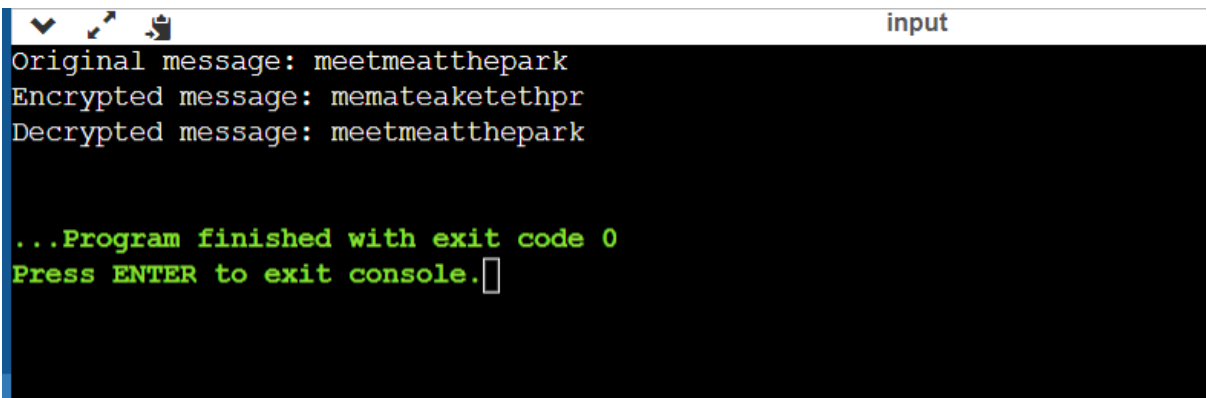**KEYED CIPHER**

```
this is keyed cipher.
Encrypted text is: nyeemtcatasnktogziht
Decrypted text is: enemyattackstonightz


...Program finished with exit code 0
Press ENTER to exit console.
```

KEYLESS

```
Original message: meetmeatthepark
Enter no. of rows
4
Encrypted message: mmtaeehreaekttp
Decrypted message: meetmeatthepark


...Program finished with exit code 0
Press ENTER to exit console.
```

```
                                              input
Original message: meetmeatthepark
Encrypted message: memateaketethpr
Decrypted message: meetmeatthepark


...Program finished with exit code 0
Press ENTER to exit console.
```

DOUBLE TRANSPOSITION

```
                              input
Original message: enemyattackstonight
Encrypted message after first encryption: eemyntaacttkonshitzg
Encrypted message after second encryption: ettheakimaotycnzntsg
Encrypted message after third encryption: tehetiamakyocnttzsgn
Encrypted message after fourth encryption: tiyteaozhmcseangtktn
Decrypted message after first decryption: tehetiamakyocnttzsgn
Decrypted message after second decryption: ettheakimaotycnzntsg
Decrypted message after third decryption: eemyntaacttkonshitzg
Decrypted message after fourth decryption: enemyattackstonightz


...Program finished with exit code 0
Press ENTER to exit console.
```

COMBINED TRANSPOSITION

```
                              input
Original message: enemyattackstonight
Encrypted message after first encyption: eemyntaacttkonshitzg
Encrypted message after second encyption: ettheakimaotycnzntsg
Decrypted message after first decryption: eemyntaacttkonshitzg
Decrypted message after second decryption: enemyattackstonightz


...Program finished with exit code 0
Press ENTER to exit console.
```

RSA

```
Message data = 12
Encrypted data = 3
Original Message Sent = 12
```