UCT 602

INFORMATION SECURITY

LAB ASSIGNMENTS

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

SUBMITTED TO: DR GURPAL SINGH

DIVIJA   **102018056**   **CSBS3**

MULTIPLICATIVE

```
    message = "Divija"
    key = 7
    ciphertext = encrypt(message, key)
    print(ciphertext)
[4]
```

··· VERELA

```
    ciphertext = "VERELA"
    key = 7
    message = decrypt(ciphertext, key)
    print(message)
[5]
```

··· DIVIJA

AUTOKEY

C:\Users\hp\Desktop\Thapar\TIET\sem6\Info_security\autokey_divija.exe

```
Enter plaintext string
DIVIJA
Enter Autokey
P
Concatenated string is: PDIVIJ
Ciphertext is: SLDDRJ
Plaintext is:▯DIVIJA

--------------------------------
Process exited after 4.313 seconds with return value 0
Press any key to continue . . .
```

VIGENERE

```
C:\Users\hp\Desktop\Thapar\TIET\sem6\Info_security\vigener_divija.exe

Enter string
DIVIJA
Enter key
PASCAL
Ciphertext is: SINKJL
Plaintext is: DIVIJA

--------------------------------
Process exited after 5.475 seconds with return value 0
Press any key to continue . . .
```

AFFINE

```
C:\Users\hp\Desktop\Thapar\TIET\sem6\Info_security\affine_divija.exe                      —

Enter string
DIVIJA
Key: (17, 20)
CipherText is TANARU
Plain Text is DIVIJA

--------------------------------
Process exited after 2.38 seconds with return value 0
Press any key to continue . . .
```

PLAYFAIR

```
Enter plaintext
DIVIJA
Enter key
FURNITURE

F U R N I
T U R E A
B C D G H
J K L M O
P Q S V W
Ciphertext is: HRWNOT


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