**EXPERIMENT NO 3**

**OBJECTIVE:** a program to implement Affine Cipher.

• Plaintext should be in lowercase.

• Ciphertext should be uppercase.

• Brute force attack.

**SOURCE CODE:**

def encrypt(text,s1,s2):

result = ""

# traverse text

for i in range(len(text)):

char = text[i]

# Encrypt uppercase characters

if (char.isupper()):

result += chr((((ord(char) -65)\*s1 +s2) % 26) + 65)

# Encrypt lowercase characters

else:

result += chr((((ord(char) - 97)\*s1+s2) % 26) + 97)

return result

#check the above function

text = input()

s1 = int(input())

s2=int(input())

print("Text : " + text)

print("Cipher: " + encrypt(text,s1,s2))

**OUTPUT:**

Hello

ZEBBW

**Developed by:** Abhishek Pandey