**EXPERIMENT NO 1**

**Objective:**

a program to implement Additive Cipher (Z26) with the following conditions:

• Plaintext should be in lowercase.

• Ciphertext should be uppercase.

• Brute force attack

**Source code:**

def encrypt(text,s):

result = ""

# traverse text

for i in range(len(text)):

char = text[i]

# Encrypt uppercase characters

if (char.isupper()):

result += chr(((ord(char) -65+s) % 26) + 65)

# Encrypt lowercase characters

else:

result += chr(((ord(char) - 97+s) % 26) + 97)

return result

#check the above function

text = input()

s = int(input())

print("Text : " + text)

print("Cipher: " + encrypt(text,s))

**OUTPUT :**

**HELLO**

**WTAAD**

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