**EXPERIMENT NO 2**

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

• 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**

**XCZZU**

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