1. **Write a Python program for a Casear cipher involves replacing each letter of the alphabet with the letter standing k places further down the alphabet, for k in the range 1 through 25.**

**CODE:**

**def caesar\_cipher(message, shift):**

**cipher = ''**

**for char in message:**

**if char.isalpha():**

**char\_code = ord(char) - shift**

**if char.isupper():**

**if char\_code > ord('Z'):**

**char\_code -= 26**

**elif char\_code < ord('A'):**

**char\_code += 26**

**elif char.islower():**

**if char\_code > ord('z'):**

**char\_code -= 26**

**elif char\_code < ord('a'):**

**char\_code += 26**

**cipher += chr(char\_code)**

**else:**

**cipher += char**

**return cipher**

**message = input("Enter the string to be decrypted")**

**shift = 3**

**decrypted\_message = caesar\_cipher(message, shift)**

**print(decrypted\_message)**

**OUTPUT/RESULT :**

