**2. Write a Python program for monoalphabetic substitution cipher maps a plaintext alphabet to aciphertext alphabet, so that each letter of the plaintext alphabet maps to a single unique letter of the ciphertext alphabet.**

**CODE:**

**import string**

**cipher\_map = {'a': 'q', 'b': 'w', 'c': 'e', 'd': 'r', 'e': 't',**

**'f': 'y', 'g': 'u', 'h': 'i', 'i': 'o', 'j': 'p',**

**'k': 'a', 'l': 's', 'm': 'd', 'n': 'f', 'o': 'g',**

**'p': 'h', 'q': 'j', 'r': 'k', 's': 'l', 't': 'z',**

**'u': 'x', 'v': 'c', 'w': 'v', 'x': 'b', 'y': 'n', 'z': 'm'}**

**decipher\_map = {v: k for k, v in cipher\_map.items()}**

**def encrypt(message):**

**"""Encrypts the given message using the cipher map."""**

**message = message.lower()**

**encrypted\_message = ''**

**for char in message:**

**if char in string.ascii\_lowercase:**

**encrypted\_char = cipher\_map[char]**

**else:**

**encrypted\_char = char**

**encrypted\_message += encrypted\_char**

**return encrypted\_message**

**message = input("Enter the text:")**

**encrypted\_message = encrypt(message)**

**print(encrypted\_message)**

**OUTPUT:**

