2)

import string

# Define the mapping for the cipher

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'}

# Define the reverse mapping for decryption

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

def encrypt(message):

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

# Convert message to lowercase

message = message.lower()

# Initialize the encrypted message

encrypted\_message = ''

# Encrypt each character in the 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)

Result:

Input: saveetha

Output: lqcttziq