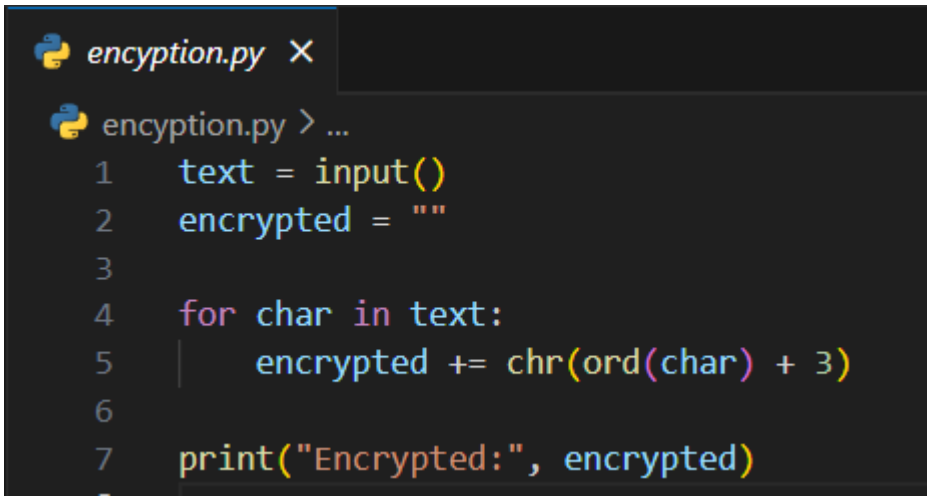
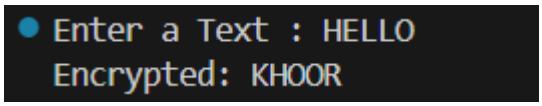
ASSIGNMENT-1

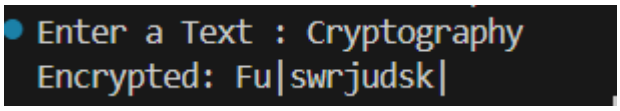
Objective:
Implement a simple traditional cipher encryption (e.g., Caesar cipher or Substitution cipher) using Python.
Requirements:
• Set up a Python development environment using VS Code (install Python extension if needed).
• Create a Python script (cipher.py) that:
o Accepts a plaintext message from the user.
o Accepts a key (shift value or substitution alphabet, depending on cipher type).
o Encrypts the message using the chosen traditional cipher technique.
o Displays the encrypted message to the user.
• Use functions for encryption (e.g., encrypt(message, key)).
• Ensure the program handles uppercase, lowercase, and spaces properly.
• Add inline comments explaining the logic.
• Save a screenshot of your VS Code setup running the program.
• Test with at least 3 different inputs and record outputs.

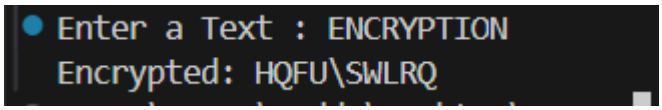
CODE:



OUTPUT:


Enter a Text : HELLO
Encrypted: KHOOR


Enter a Text : Cryptography
Encrypted: Fu|swrjudsk|


Enter a Text : ENCRYPTION
Encrypted: HQFU\SWLRQ