```
def encrypt(text, shift):
  encrypted_text = "
  for char in text:
    if char.isalpha():
      shifted = ord(char) + shift
      if char.islower():
         if shifted > ord('z'):
           shifted -= 26
       elif char.isupper():
         if shifted > ord('Z'):
           shifted -= 26
       encrypted_text += chr(shifted)
    else:
       encrypted_text += char
  return encrypted_text
def decrypt(text, shift):
  decrypted_text = "
  for char in text:
    if char.isalpha():
      shifted = ord(char) - shift
      if char.islower():
         if shifted < ord('a'):
           shifted += 26
```

```
elif char.isupper():
        if shifted < ord('A'):
           shifted += 26
      decrypted_text += chr(shifted)
    else:
      decrypted_text += char
  return decrypted text
def main():
  print("Welcome to the Caesar Cipher encryption/decryption tool!")
  while True:
    choice = input("Enter 'E' for encryption, 'D' for decryption, or 'Q' to quit: ").upper()
    if choice == 'E':
      message = input("Enter the message to encrypt: ")
      shift = int(input("Enter the shift value: "))
      encrypted_message = encrypt(message, shift)
      print("Encrypted message:", encrypted_message)
    elif choice == 'D':
      message = input("Enter the message to decrypt: ")
      shift = int(input("Enter the shift value: "))
      decrypted_message = decrypt(message, shift)
      print("Decrypted message:", decrypted_message)
    elif choice == 'Q':
      print("Thank you for using the Caesar Cipher tool. Goodbye!")
      break
```

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else:
    print("Invalid choice. Please try again.")

if __name__ == "__main__":
    main()
```

OUTPUT

```
Welcome to the Caesar Cipher Encryption/Decryption Tool!
Enter your message: help
Enter the shift value for encryption/decryption: 3
Do you want to encrypt or decrypt? (E/D): E
Encrypted message: khos
```