

main.py



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Output

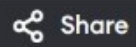
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```
1 def caesar_encrypt(text, shift):
2     encrypted = ""
3     for char in text:
4         if char.isalpha():
5             shift_base = ord('A') if char.isupper() else ord('a')
6             encrypted += chr((ord(char) - shift_base + shift) % 26
7                             + shift_base)
8         else:
9             encrypted += char
10    return encrypted
11
12 def caesar_decrypt(text, shift):
13    return caesar_encrypt(text, -shift)
14
15 def main():
16    print("Caesar Cipher Encryption and Decryption")
17    choice = input("Do you want to (E)ncrypt or (D)ecrypt? ")
18    choice = choice.strip().upper()
19    if choice not in ['E', 'D']:
20        print("Invalid choice. Please enter E or D.")
21    return
```

```
Caesar Cipher Encryption and Decryption
Do you want to (E)ncrypt or (D)ecrypt? E
Enter your message: HELLO WORLD
Enter shift value (integer): 5
Encrypted message: MJQQT BTWQI
```

```
=== Code Execution Successful ===
```

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```
13 print("Caesar Cipher Encryption and Decryption")
14 choice = input("Do you want to (E)ncrypt or (D)ecrypt? ")
15     .strip().upper()
16 if choice not in ['E', 'D']:
17     print("Invalid choice. Please enter E or D.")
18     return
19 message = input("Enter your message: ")
20 try:
21     shift = int(input("Enter shift value (integer): "))
22 except ValueError:
23     print("Shift value must be an integer.")
24     return
25 if choice == 'E':
26     result = caesar_encrypt(message, shift)
27     print("Encrypted message:", result)
28 else:
29     result = caesar_decrypt(message, shift)
30     print("Decrypted message:", result)
31 if __name__ == "__main__":
32     main()
```

```
Caesar Cipher Encryption and Decryption
Do you want to (E)ncrypt or (D)ecrypt? E
Enter your message: HELLO WORLD
Enter shift value (integer): 5
Encrypted message: MJQQT BTWQI

=== Code Execution Successful ===
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