Caesar.py

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def encrypt(key, message):
  message = message.upper()
  alpha = "ABCDEFGHIJKLMNOPQRSTUVWXYZ"

  result = ""

  for letter in message:
    if letter in alpha:
      #to do the opposite, I would need to subtract the key
      letter_index = (alpha.find(letter) + key) % len(alpha)
      result = result + alpha [letter_index]
    else:
      result = result + letter

  return result

def decrypt(key, message):
  message = message.upper()
  alpha = "ABCDEFGHIJKLMNOPQRSTUVWXYZ"

  result = ""

  for letter in message:
    if letter in alpha:
      #to do the opposite, I would need to add the key
      letter_index = (alpha.find(letter) - key) % len(alpha)
      result = result + alpha [letter_index]
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    else:
      result = result + letter

  return result

def main():
  word = "Secret Code"
  encrypted = encrypt(9, word)
  print("This is encrypted: " + encrypted)

  decrypted = decrypt(9, encrypted)
  print("This is decrypted: " + decrypted)

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