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def menu():
    print("SECRET DECODER MENU")
    response = input("""

    0) Quit
    1) Encode
    2) Decode
What is your choice?: """)
    return response

alpha = "ABCDEFGHIJKLMNOPQRSTUVWXYZ"
key = "XPMGTDHLYONZBWEARKJUFSCIQV"

def encode(plain):
    output = ""
    plain = plain.upper()
    for letter in plain:
        if letter in key:
            index = alpha.find(letter)
            translated = key[index]
            output = output + translated
    return output

def decode(coded):
    output = ""
    coded = coded.upper()
    for letter in coded:
        if letter in key:
            index = key.find(letter)
            translated = alpha[index]
            output = output + translated
    return output

def main():
    keepGoing = True
    while keepGoing:
        response = menu()
        if response == "1":
            plain = input("text to be encoded: ")
            print(encode(plain))
        elif response == "2":
            coded = input("code to be decyphered: ")
            print(decode(coded))
        elif response == "0":
            print("Thanks for doing secret spy stuff with me.")
            keepGoing = False
        else:
            print("I don't know what you want to do...")

#my starter code.

if __name__ == "__main__":
    main()

```