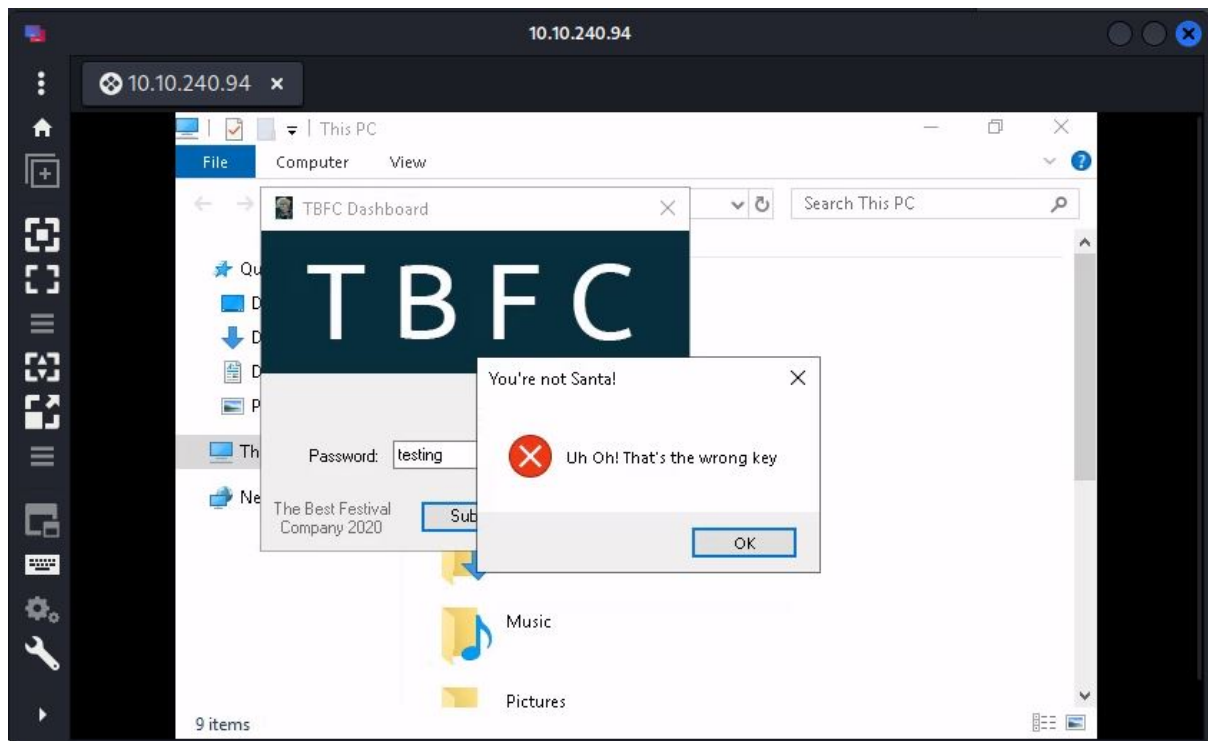


## Day 18 - [Reverse Engineering] The Bits of Christmas

**Tool Used:** Kali Linux, firefox, Remmina, ILSpy

### Solution/walkthrough:

#### Q1

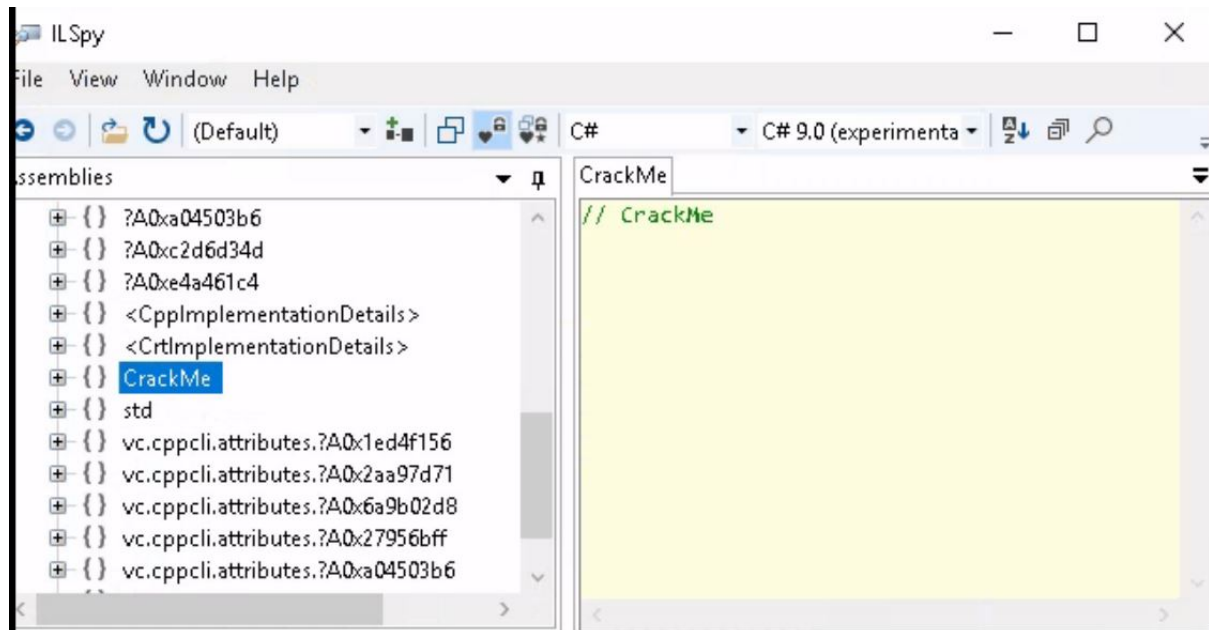


connect to the VPN provided using Remmina with the password and username. open the "TBFC\_APP" application. key in a random phrase, the wrong message will appear.

#### Q2

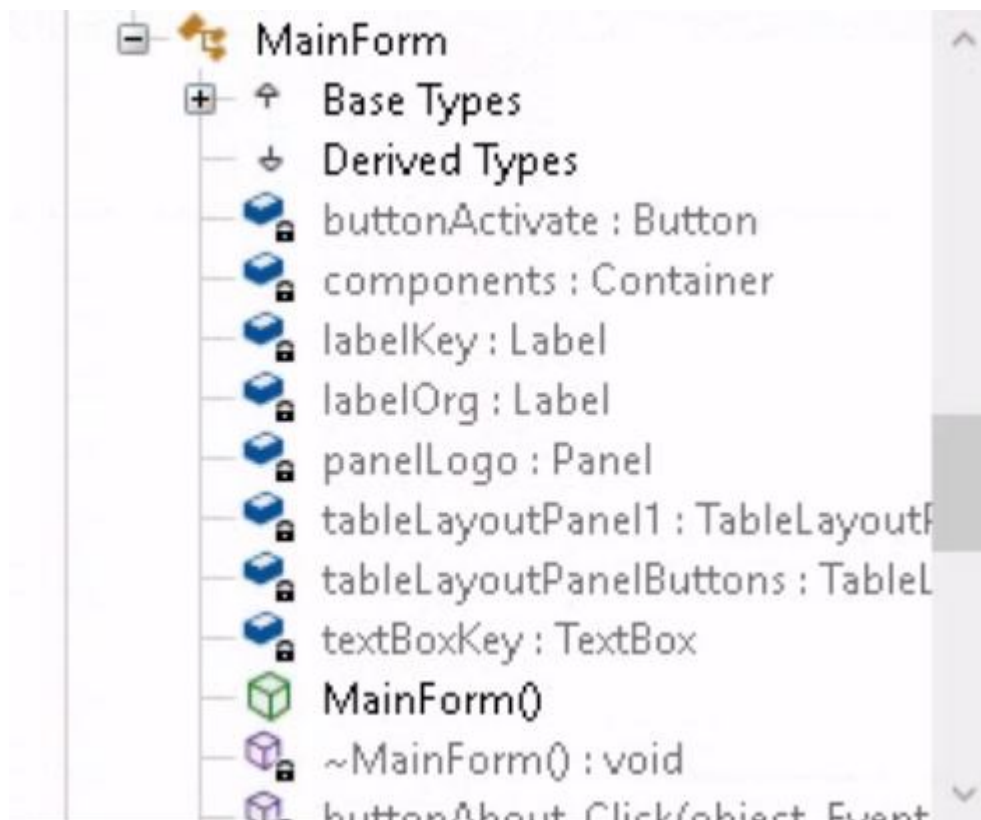
open "TBFC\_APP" application, the full name is shown at the bottom left corner.

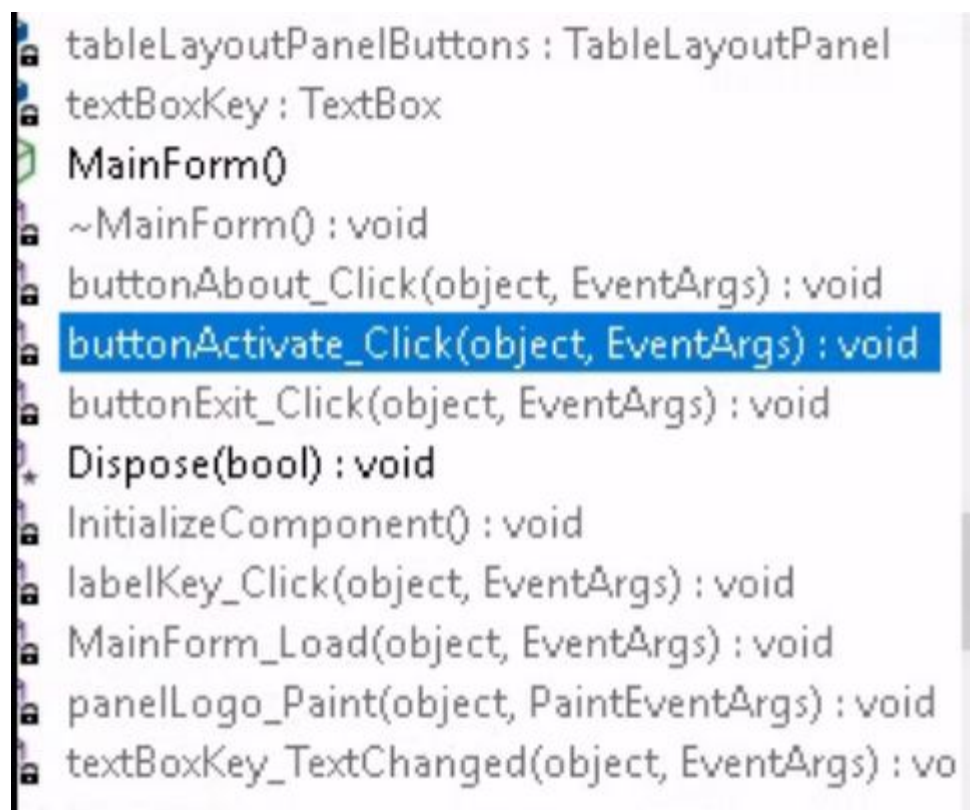
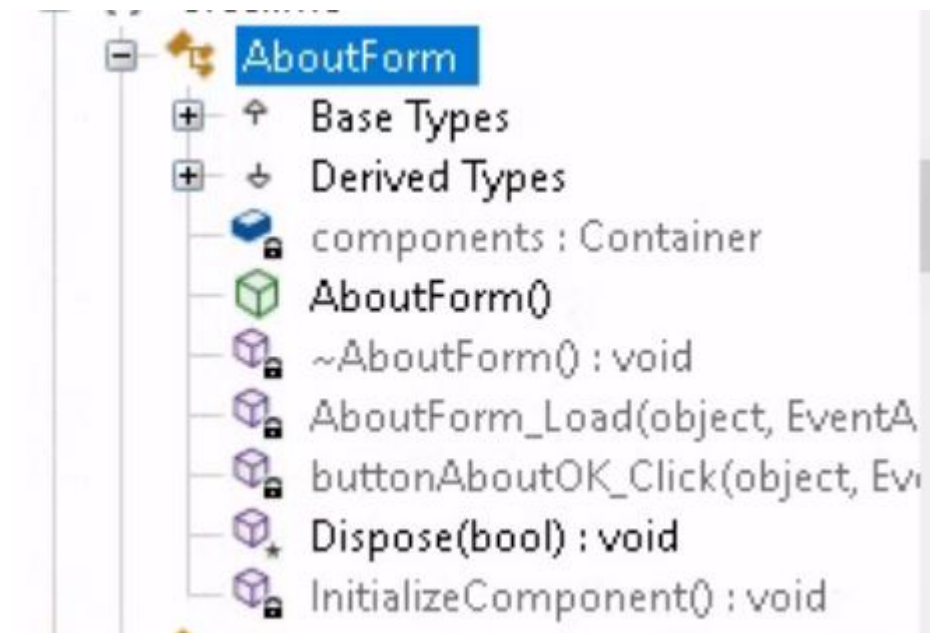
#### Q3



We decompile the TBFC APP with ILSpy, then the module named 'CrackMe' is not similar with the others.

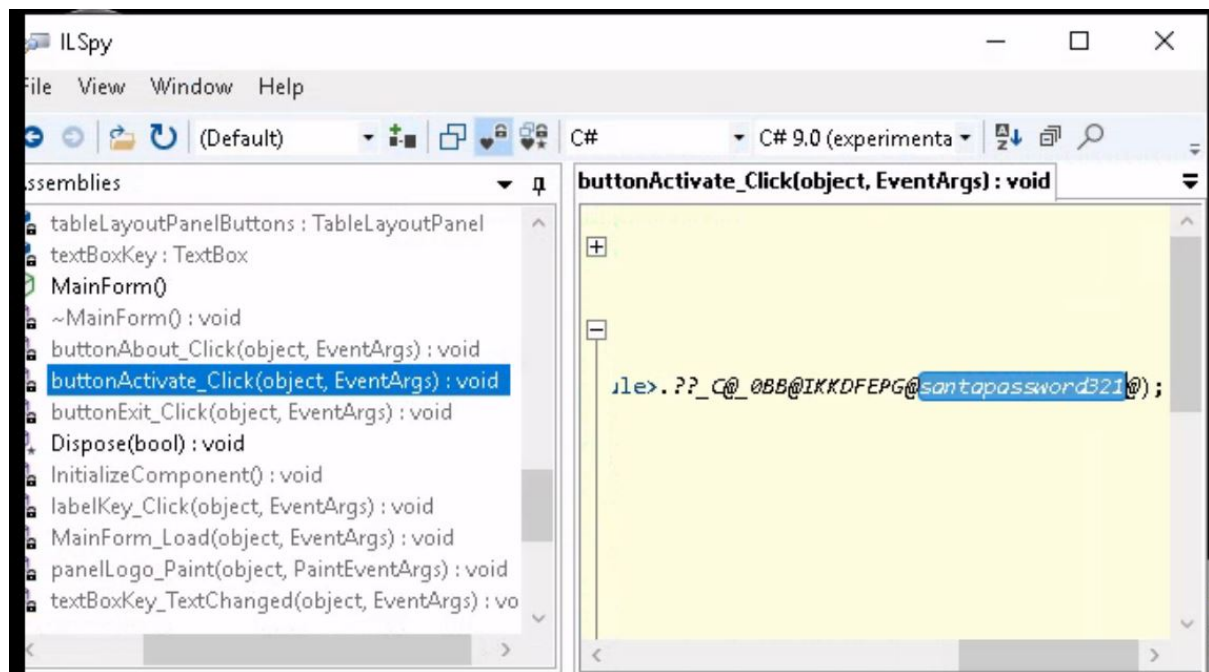
#### Q4





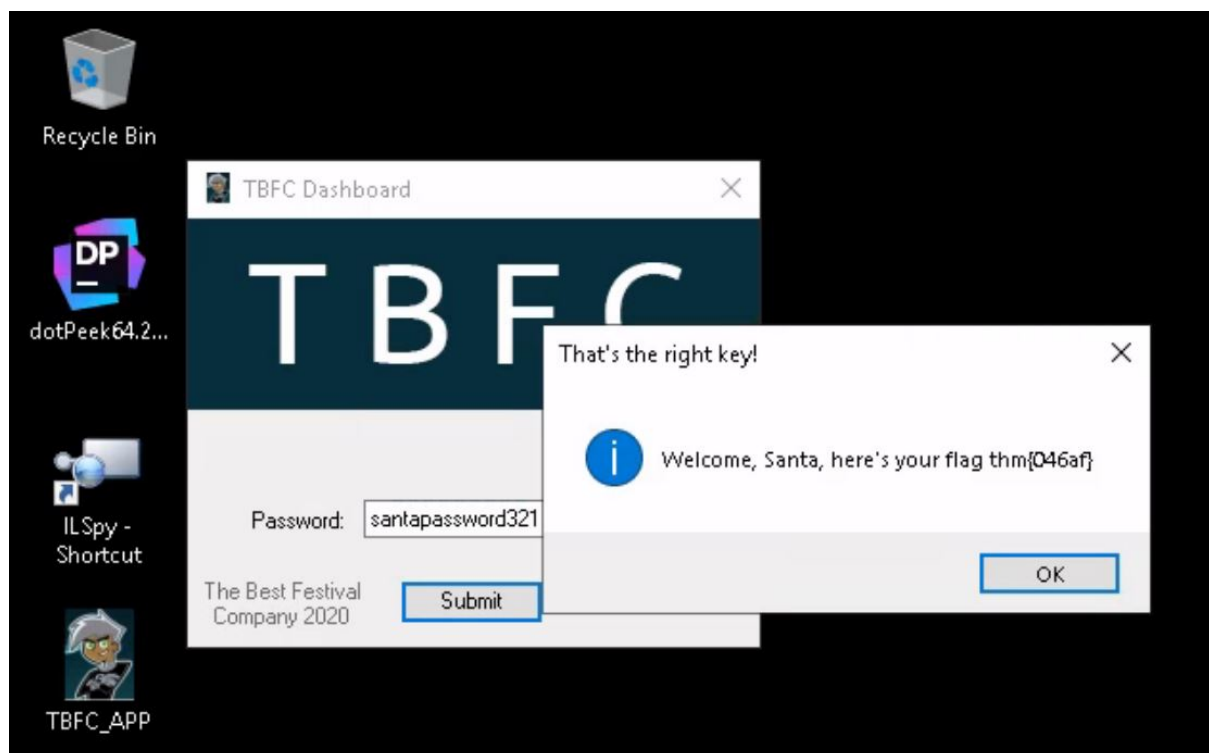
We can observe and examine both forms, however, in 'about form', we can see much more elements of the application about buttons, we can use it to recreate what some of the source code behind the application is with ILSpy.

## Q5&Q6



examine the element, the 'buttonActivate\_click' has contained the useful information we needed - the password.

## Q7



we got the password already. key in the correct password, the flag revealed.