PSP0201 Week 5 Writeup

Group Name: ikun no 1

Members

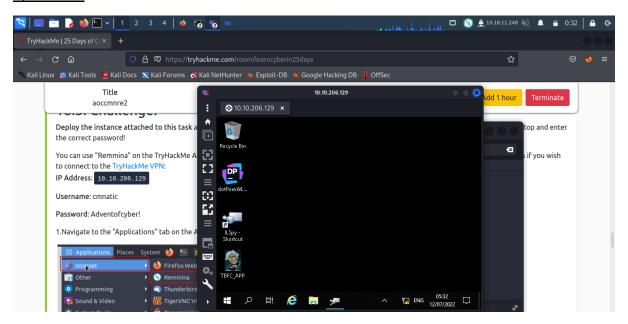
ID	Name	Role
1211102058	Chu Liang Chern	Leader
1211101401	Chong Jii Hong	Member
1211103206	Ng Kai Keat	Member
1211103095	Siddiq Ferhad Bin Khairil Anual	Member

Day 18: Reverse Engineering The Bits of Christmas

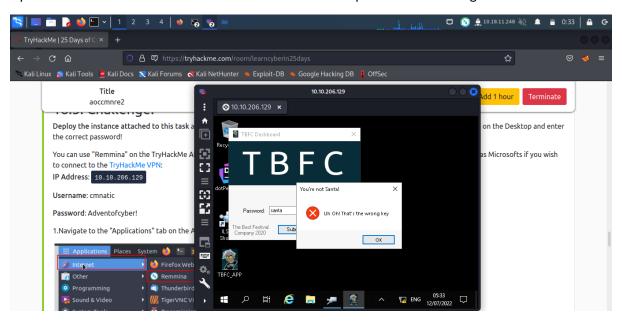
Tool used: Kali-Linux, Remmina

Solution/walkthrough:

Question 1

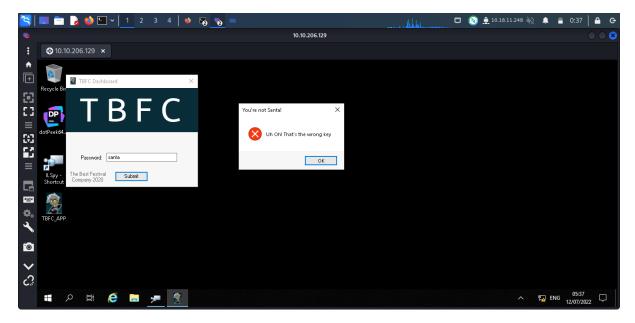


Open remmina and set the server with the username and password that had given.



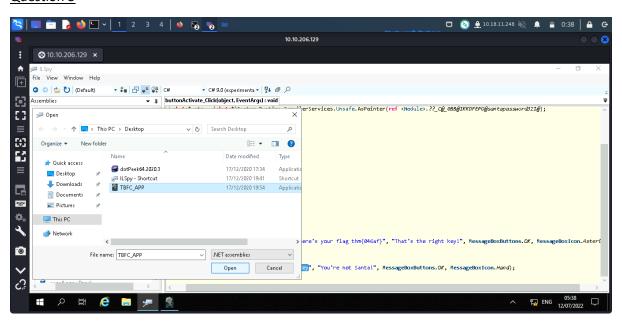
Next, open the TBFC_APP and random type something. Then, the output shown.

Question 2

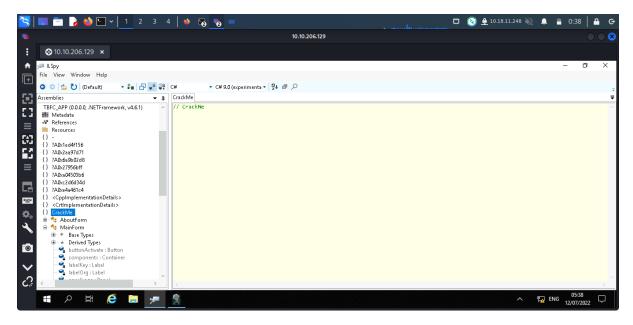


Answer is in the TBFC_App.

Question 3

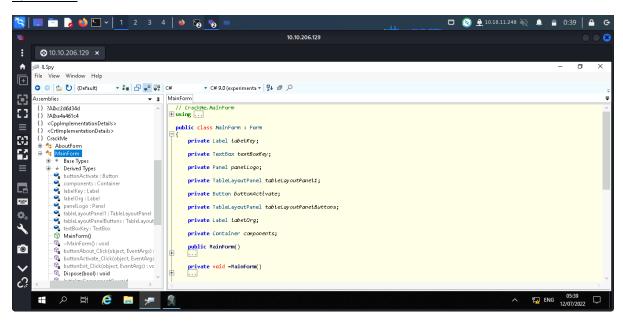


Open the IL spy and open the TBFC APP inside.



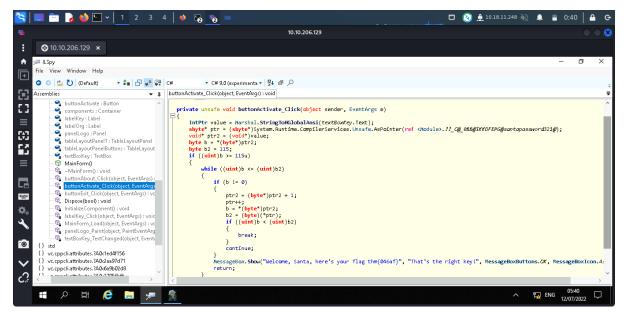
Then, 'Crack Me' catch my attention.

Question 4



Only main form can see the information.

Question 5



Scroll and find the answer, the button activate is the answer.

Question 6

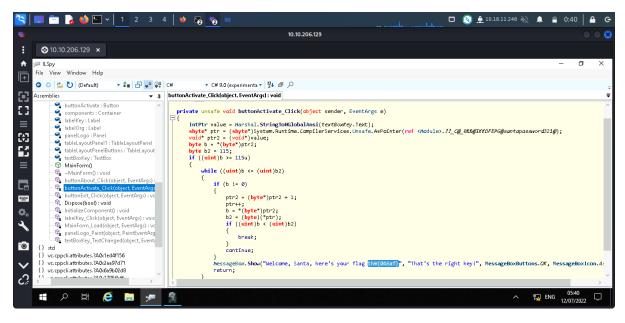
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                                                                                                                                            10.10.206.129
      ⊗ 10.10.206.129 ×
      File View Window Help
          \Box
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    C# 9.0 (experimenta - □ □ □ )

private unsafe void buttonActivate_Click(object sender, EventArgs e)
83
                                                       IntPtr value = Narshal.StringToHGlobalAnsi(text8oxfey.Text);
sbyte* ptr = (sbyte*)System.Runtime.CompilerServices.Uhsafe.AsPointer(ref < Hodule>.?? C@ 088@IXXDFEPG@_combo
公公
                                                        internal static <CppImplementationDetails>.$ArrayType$$$BY@BB@$$CBD global::<Hodule>.??_C@_@BB@IKKDFEPG@santapassword321@
G
                                                                   ptr2 = (byte*)ptr2 + 1;
ptr++;
b = *(byte*)ptr2;
b = (byte)(*ptr);
if ((uint)b < (uint)b2)</pre>
2<u>377</u>2
Φ.
·©
                                                                    }
continue;
          std
vc.cppcli.attributes.?A0x1ed4f156
vc.cppcli.attributes.?A0x2aa97d71
vc.cppcli.attributes.?A0x6a9b02d8
                                                                f
MessageBox.Show("Welcome, Santa, here's your flag thm{046af}", "That's the right key!", MessageBoxButtons.OK, MessageBoxIcon.A:
return;
S
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       ■ 2 単 逢 🖫 🟸 🧏
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Find the answer in buttonActivate.

Question 7



Find the answer in buttonActivate.