

# Stegnography Tools

**Doc/ Hala Zayed**

- I. Abdelrahman Al-Sayed
- II. Amr Abdelfatah
- III. Amany Ayman
- IV. Mennatullah Akram
- V. Abeer Muhammed
- VI. Zainab Tarek

---

T.A/ Gamal Essam

---

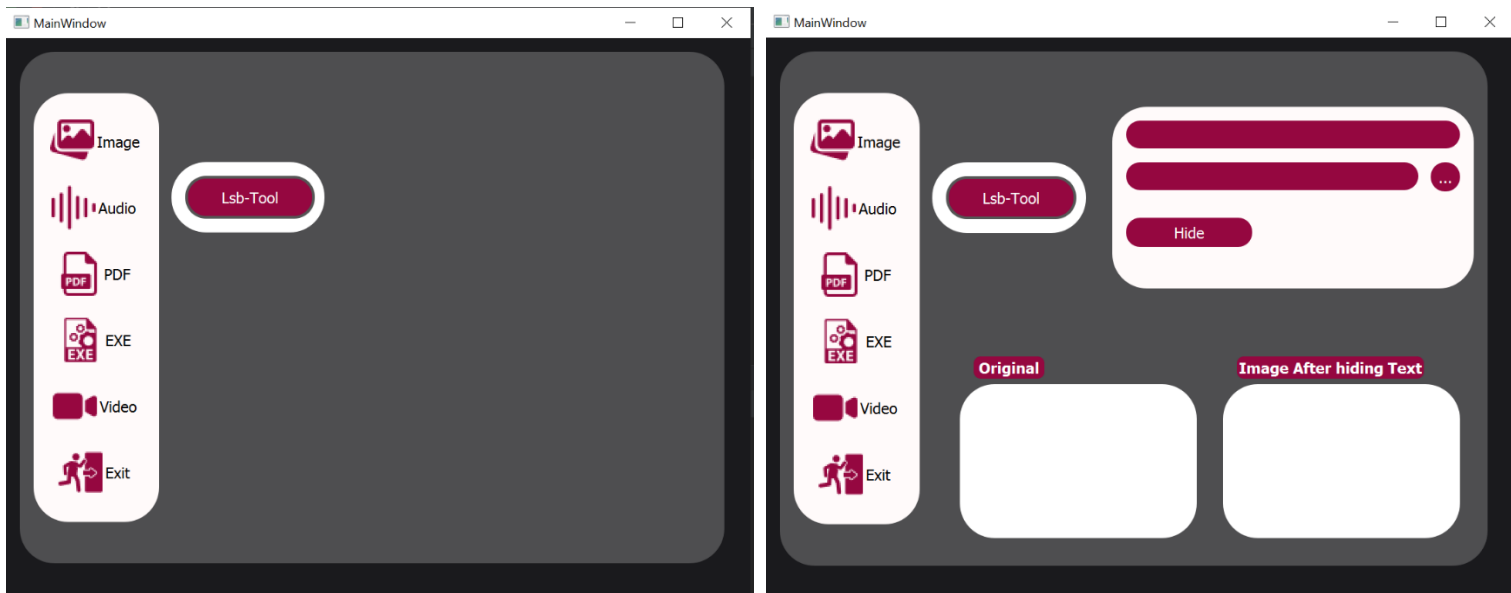
## INSTRUCTIONS

In this documentation we'll discuss how the project works with GUI photos and some code parts. As a summary to this documentation the program we've made contains most of the stegnography tools and with a little explanations about it as a hover when you just put the mouse on the tool you want to use. For your information not all tools are made by GUI some of them are in a CMD disappeared window but to get the output we've made our efforts to make it appear in front of you in a new standalone window, and you have the option either to encode or decode.



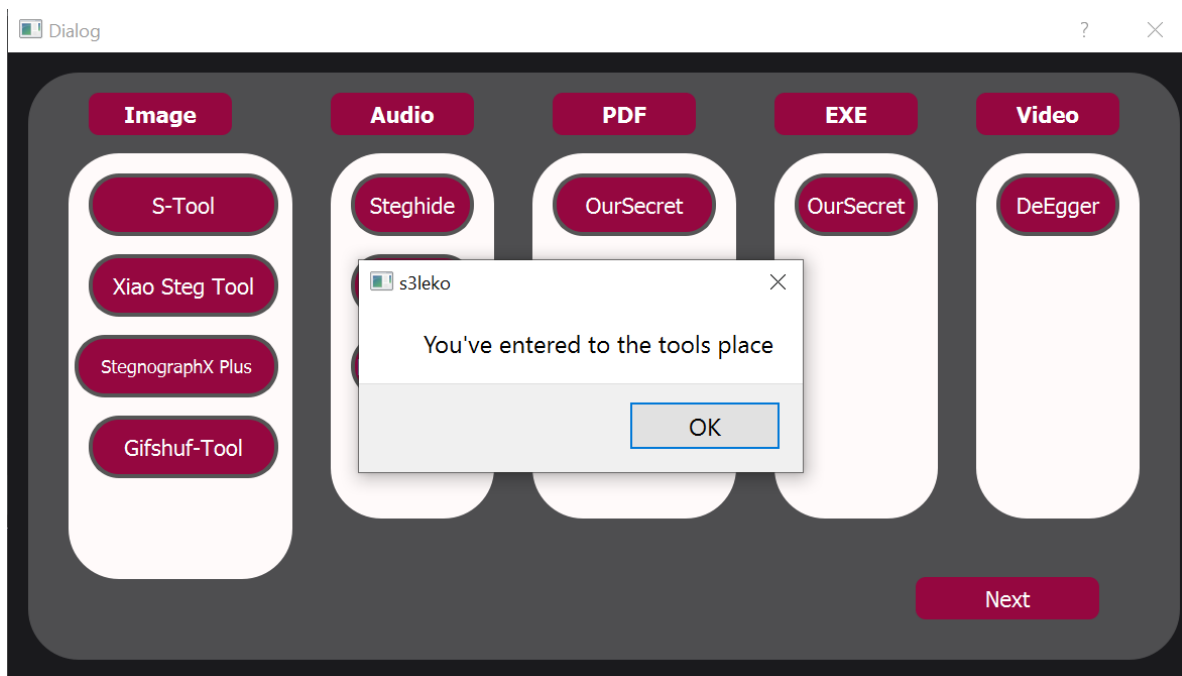
## First Phase:

This is the first main window where you can either use LSB tool or click on any button from the left side which will take you to page 2.



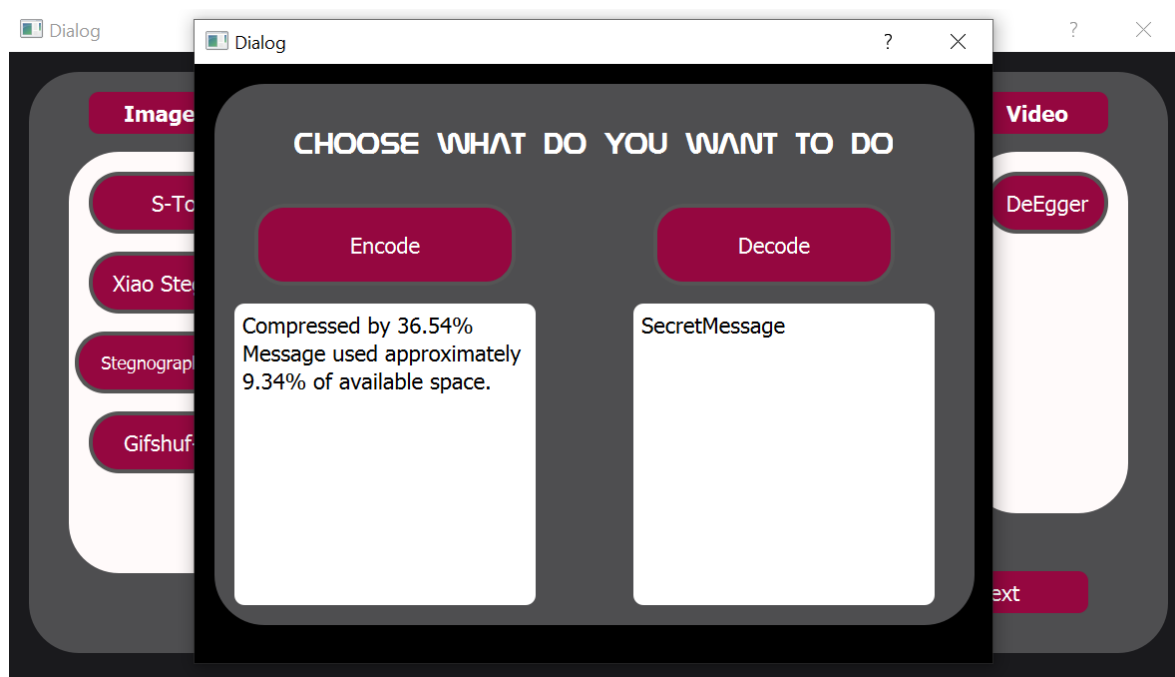
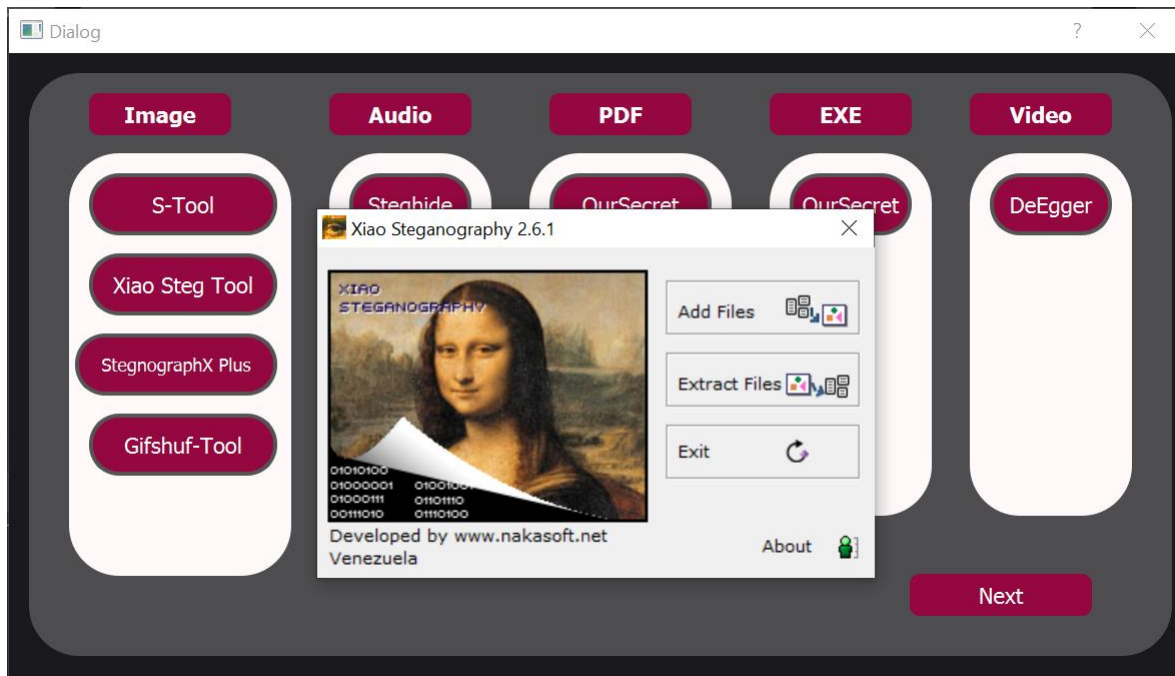
## Second Phase:

This is page 2, which has a lot of tools as you can see tools are categorized in a specific order. Each tool contain a small hint or as you can say a description about it if you stayed on the button a sec before pressing.



## Second phase (Cont.):

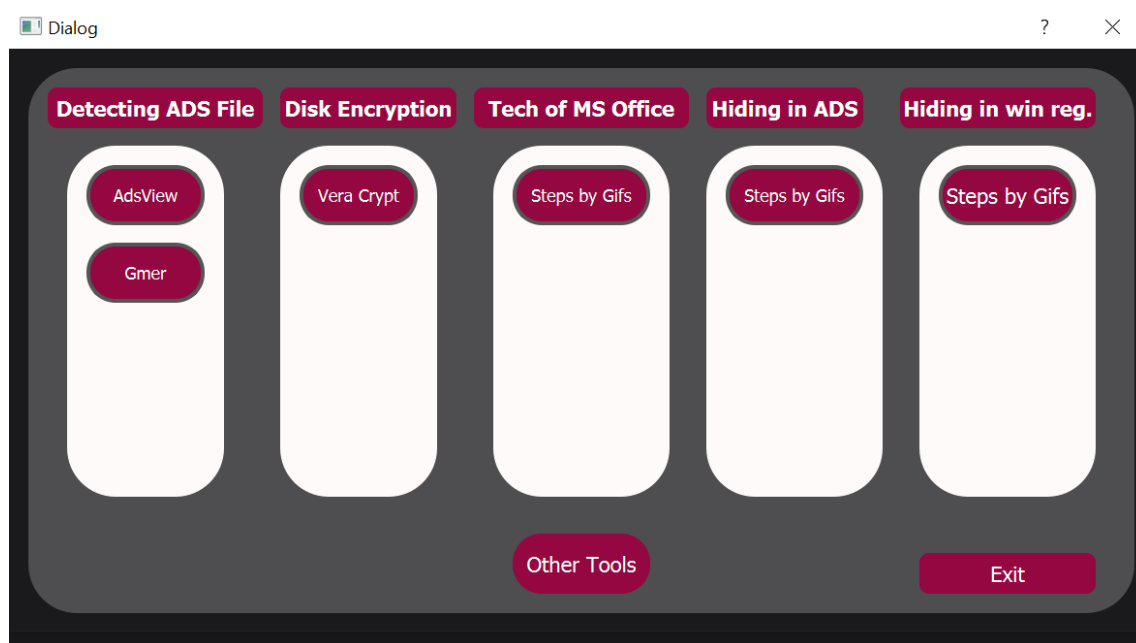
Here as you can see first screenshot has a GUI program tool, as well as the second screenshot has a new opened dialog which contains 2 buttons encode and decode the command line. (note: the command is given manually inside the code).



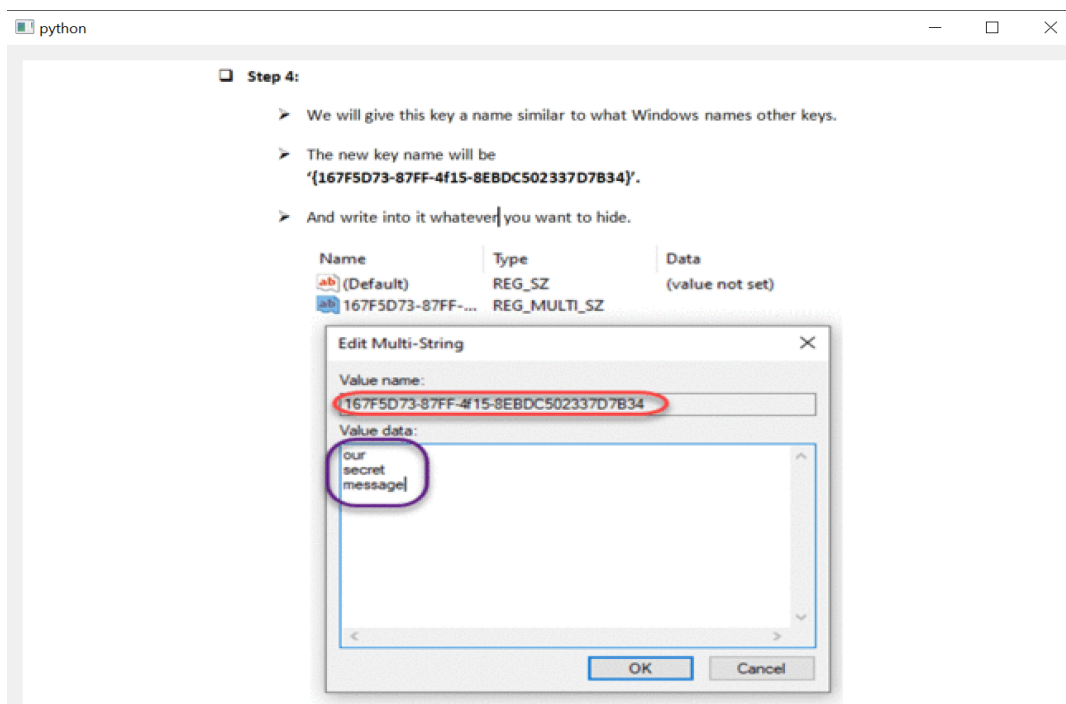


## Third Phase:

This is page 3 this page contains tools and some GIF's, which will display the steps for hiding.

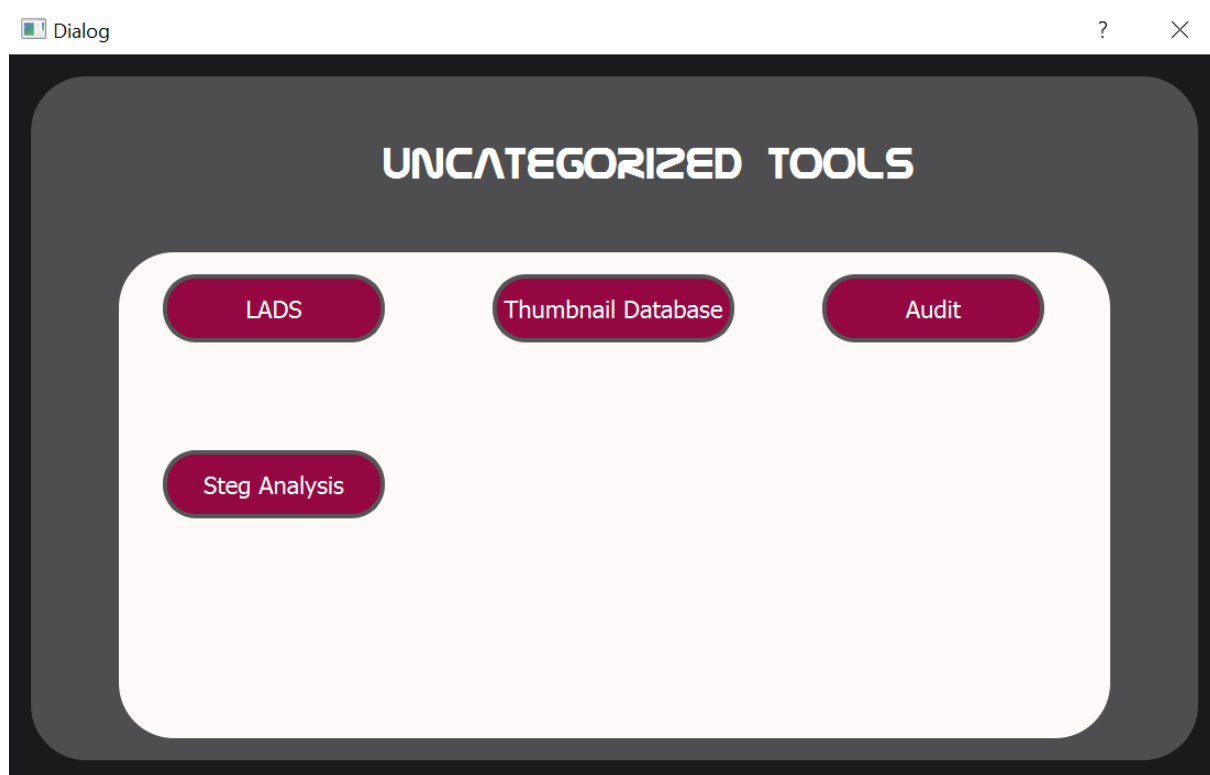


This photo is captured from a Gif which illustrates the steps to hide in windows registry for example.

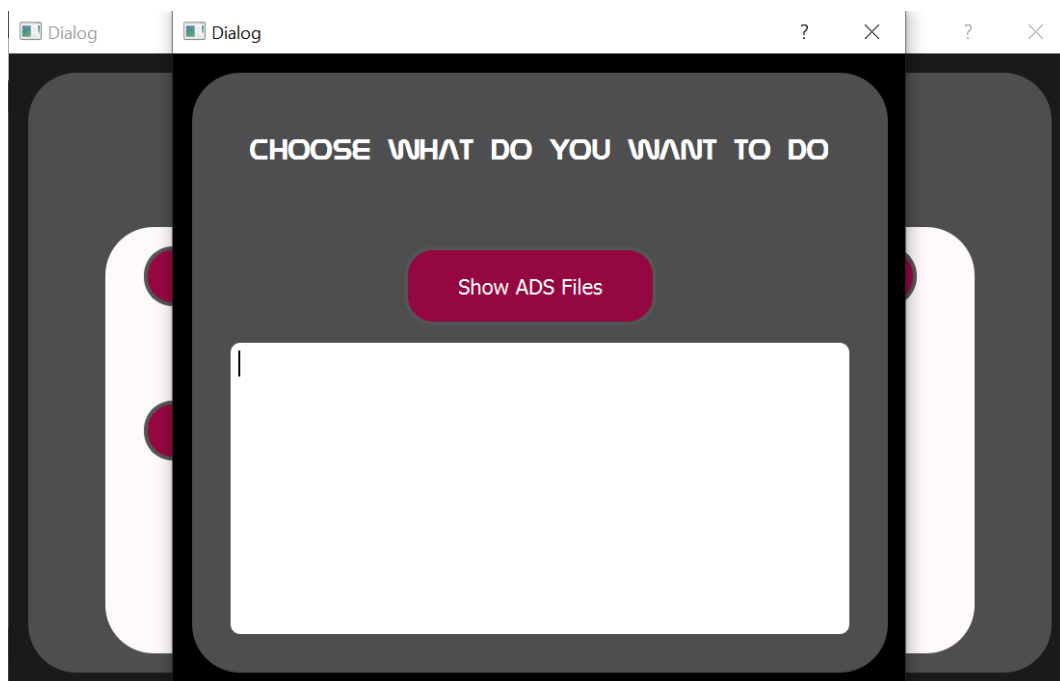


## Fourth phase:

This page contains uncategorized random tools also each tool contain a small synopsis about the tool.

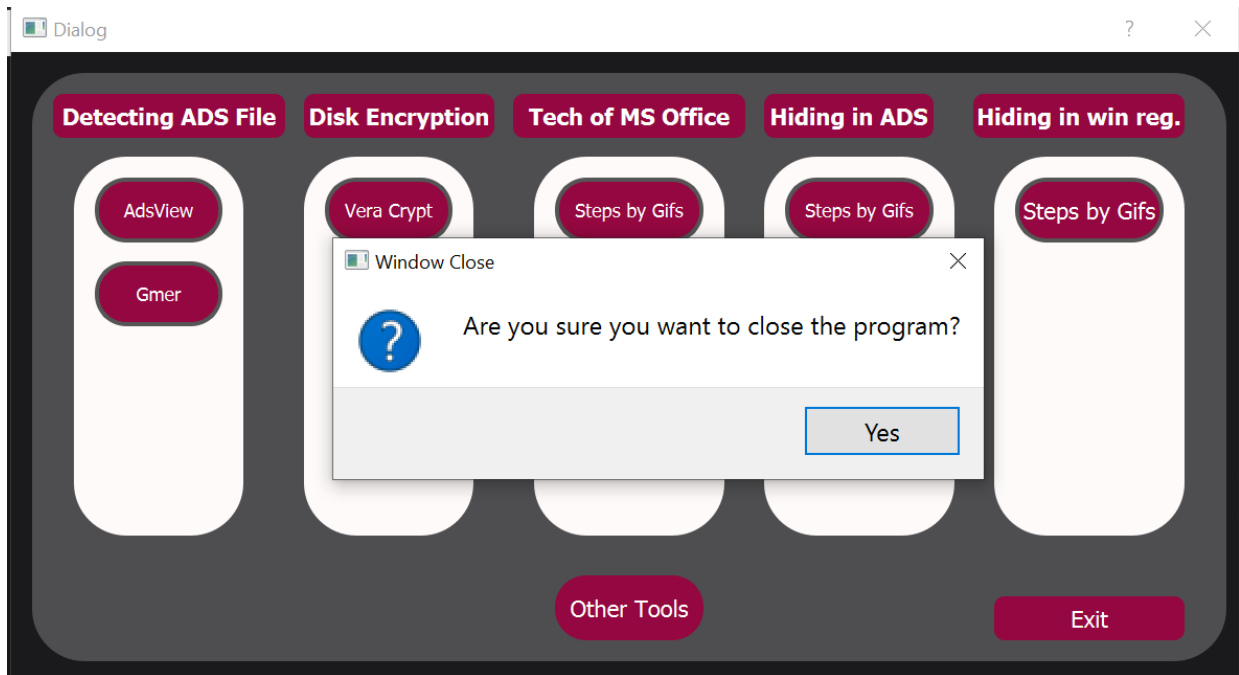


This window is the result of LADS button. This dialog



## Last phase:

This is the last window where you click on exit a message box appears to confirm your order.



## Coding :

This is the coding of how the programs exe were imported. (second phase).

```
def open_xiao(self):
    subprocess.Popen(['D:\program_files\Xiao Stenography\Xiao Steg.exe'])

def open_oursecret(self):
    subprocess.Popen(['D:\program_files\OurSecret.exe'])

def open_deep(self):
    subprocess.Popen(['D:\program_files\deepsound\DeepSound.exe'])

def open(self):
    subprocess.Popen(['D:\program_files\s_tools4_1359449523\s_tools4\S.Tools.exe'])

def open_stegplus(self):
    subprocess.Popen(['D:\program_files\Tools_section_4\Tools\SteganographyX.Plus\StgP.exe'])

def open_gif(self):
    subprocess.Popen(['gifshuf\' + 'GIFSHUF.EXE',
        '-CS',
        '-m',
        'SecretMessage',
        '-p',
        'pass',
        'gifshuf/new.gif',
        'gifshuf/out.gif'
    ])
```

## Coding (cont.) :

This part is the connection from (third phase), the buttons are connected to the exe tools, and to show the gif's that has a python file alone to display the gif in a label only.

```
def others(self):
    self.moreTools = QtWidgets.QDialog()
    self.ui = Ui_moreTools()
    self.ui.setupUi(self.moreTools)
    self.moreTools.show()

def show_gif(self):
    self.window = QtWidgets.QMainWindow()
    self.ui = Ui_MainWindow1()
    self.ui.setupUi(self.window)
    self.window.show()

def open_gif(self):
    self.window = QtWidgets.QMainWindow()
    self.ui = Ui_MainWindow()
    self.ui.setupUi(self.window)
    self.window.show()
```

This code is how we displayed the gif in a label. Also don't forget to import (from PyQt5.QtGui import QMovie)

```
# set qmovie as label
self.movie = QMovie("Hiding in ADS.gif")
self.label.setMovie(self.movie)
self.movie.start()
```



## Coding (cont.) :

This code part is about lads button which opens a dialog when pressed and shows the ADS files in my computer. This is how we called the exe program and printed the results in a text edit because this program doesn't have a GUI unlike AdsViewer app.

```
def open_lads(self):  
    x= subprocess.getoutput(['D:\program_files\lads\lads.exe'])  
    self.textEdit.append(x)
```