

STEP 1

Importing Tkinter and base64 Module

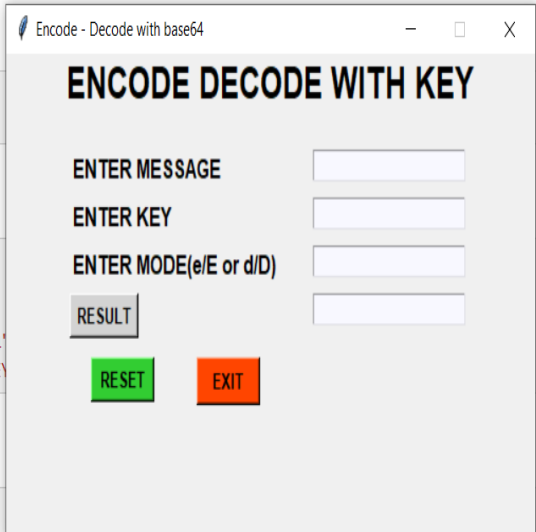
```
In [1]: from tkinter import *  
import base64
```

Initialize GUI window

```
In [2]: window = Tk()  
window.geometry('500x300')  
window.resizable(0,0)  
window.title("Encode - Decode with base64")  
Label(window,text = 'ENCODE DECODE WITH KEY')
```

Initialize the required variables

```
In [3]: Message = StringVar()  
Key = StringVar()  
mode = StringVar()
```



STEP 2 – Encode the message

Importing Tkinter and base64 Module

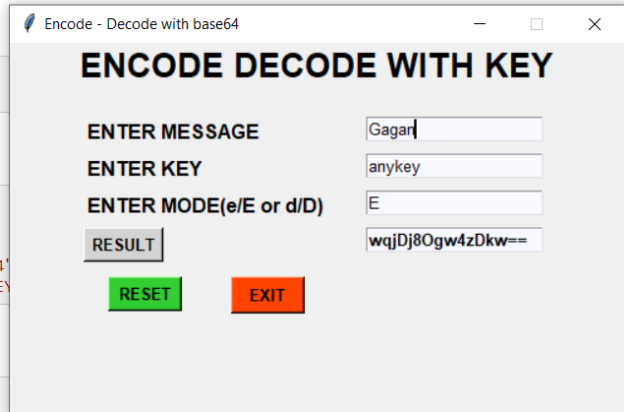
```
n [1]: from tkinter import *  
import base64
```

Initialize GUI window

```
n [2]: window = Tk()  
window.geometry('500x300')  
window.resizable(0,0)  
window.title("Encode - Decode with base64")  
Label(window,text = 'ENCODE DECODE WITH KEY')
```

Initialize the required variables

```
n [3]: Message = StringVar()  
Key = StringVar()  
mode = StringVar()  
Result = StringVar()
```



STEP 3 – Decode the message

Importing Tkinter and base64 Module

```
In [1]: from tkinter import *  
import base64
```

Initialize GUI window

```
In [2]: window = Tk()  
window.geometry('500x300')  
window.resizable(0,0)  
window.title("Encode - Decode with base64")  
Label(window,text = 'ENCODE DECODE WITH KEY')
```

Initialize the required variables

```
In [3]: Message = StringVar()  
Key = StringVar()  
mode = StringVar()  
Result = StringVar()
```

Encode the message with key using ord() and chr()

