Project- The Coding School

April 21, 2024

```python
[18]: from tkinter import *
      from tkinter import messagebox
      import base64


      def decrypt():
          password = code.get()

          if password == "1234":
              screen2 = Toplevel(screen)
              screen2.title("decryption")
              screen2.geometry("400x200")
              screen2.configure(bg="#00bd56")

              message = textl.get(1.0, END)
              decode_message = message.encode("ascii")
              base64_bytes = base64.b64decode(decode_message)
              decrypt_message = base64_bytes.decode("ascii")

              Label(screen2, text="DECRYPT", font="arial", fg="white", bg="#00bd56").
          ↪place(x=10, y=0)
              text2 = Text(screen2, font="Roboto 10", bg="white", relief=GROOVE,␣
          ↪wrap=WORD, bd=0)
              text2.place(x=10, y=40, width=380, height=150)

              text2.insert(END, decrypt_message)

          elif password=="":
              messagebox.showerror("encryption","Input Password")

          elif password != "1234":
              messagebox.showerror("encryption","Invalid Password")

          print("")


      def encrypt():
```

```python
        password = code.get()

        if password == "1234":
            screen1 = Toplevel(screen)
            screen1.title("encryption")
            screen1.geometry("400x200")
            screen1.configure(bg="#ed3833")

            message = textl.get(1.0, END)
            encode_message = message.encode("ascii")
            base64_bytes = base64.b64encode(encode_message)
            encrypt_message = base64_bytes.decode("ascii")

            Label(screen1, text="ENCRYPT", font="arial", fg="white", bg="#ed3833").
 ↪place(x=10, y=0)
            text2 = Text(screen1, font="Roboto 10", bg="white", relief=GROOVE,␣
 ↪wrap=WORD, bd=0)
            text2.place(x=10, y=40, width=380, height=150)

            text2.insert(END, encrypt_message)


def reset():
    code.set("")
    textl.delete(1.0, END)


def main_screen():
    global screen
    global code
    global textl

    screen = Tk()
    screen.geometry("375x398")
    screen.title("PctApp")

    Label(text="Enter text for encryption and decryption", fg="black",␣
 ↪font=("Calibri", 13)).place(x=10, y=10)
    textl = Text(font="Roboto 20", bg="white", relief=GROOVE, wrap=WORD, bd=0)
    textl.place(x=10, y=50, width=355, height=100)

    Label(text="Enter secret key for encryption and decryption", fg="black",␣
 ↪font=("Calibri", 13)).place(x=10, y=160)

    code = StringVar()
    Entry(textvariable=code, width=19, bd=0, font=("Arial", 25), show="*").
 ↪place(x=10, y=190)
```

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    Button(text="ENCRYPT", height=2, width=23, bg="#ed3833", fg="white", bd=0,
↪command=encrypt).place(x=10, y=250)
    Button(text="DECRYPT", height=2, width=23, bg="#00bd56", fg="white", bd=0,
↪command=decrypt).place(x=200, y=250)
    Button(text="RESET", height=2, width=50, bg="#1089FF", fg="white", bd=0,
↪command=reset).place(x=10, y=300)

    screen.mainloop()


main_screen()
```

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