ASSIGNMENT 2 - RLMCA 369

TKINTER APPLICATION

SUBMITTED TO,

MS.ANIT JAMES

SUBMITTED BY,

ASHNA KARIM

ROLL NO: 16

S9, INTMCA 12029

TKINTER APP – BLOOD DONATION

```
import tkinter as tk
from tkinter import messagebox
from tkinter import ttk

class BloodDonationApp:
    def __init__(self, master):
        self.master = master
        self.master.title("Blood Donation App")
        self.screen_width = self.master.winfo_screenwidth()
        self.screen_height = self.master.winfo_screenheight()
        self.create_eligibility_screen()

    def create_eligibility_screen(self):
        self.eligibility_screen = tk.Frame(self.master, bg="lightblue")
        self.eligibility_screen.pack(padx=20, pady=20, fill='both',
expand=True)

        ttk.Label(self.eligibility_screen, text="Blood Donation App",
font=("Arial", 24, 'bold'), foreground="blue",
background="lightblue").pack(pady=10)

        self.age_label = ttk.Label(self.eligibility_screen, text="Enter your
age:", font=("Arial", 16), background="lightblue")
        self.age_label.pack()
        self.age_entry = ttk.Entry(self.eligibility_screen, font=("Arial",
14))
        self.age_entry.pack(pady=10)

        check_eligibility_button = ttk.Button(self.eligibility_screen,
text="Check Eligibility", command=self.check_eligibility, style='TButton')
        check_eligibility_button.pack(pady=20)

    def check_eligibility(self):
        age = int(self.age_entry.get())
        if age < 18 or age > 65:
            messagebox.showinfo("Ineligible", "You are not eligible to donate
blood.")
        else:
            self.create_details_page()

    def create_details_page(self):
        self.eligibility_screen.destroy()

        self.details_page = BloodDonationDetailsPage(self.master)

class BloodDonationDetailsPage:
    def __init__(self, master):
```

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        self.master = master
        self.details_screen = tk.Frame(self.master, bg="lightblue")
        self.details_screen.pack(padx=20, pady=20, fill='both', expand=True)

        ttk.Label(self.details_screen, text="Blood Donation Details",
font=("Arial", 24, 'bold'), foreground="green",
background="lightblue").pack(pady=10)

        self.name_label = ttk.Label(self.details_screen, text="Name:",
font=("Arial", 16), background="lightblue")
        self.name_label.pack()
        self.name_entry = ttk.Entry(self.details_screen, font=("Arial", 14))
        self.name_entry.pack(pady=5)

        self.address_label = ttk.Label(self.details_screen, text="Address:",
font=("Arial", 16), background="lightblue")
        self.address_label.pack()
        self.address_entry = ttk.Entry(self.details_screen, font=("Arial",
14))
        self.address_entry.pack(pady=5)

        self.phone_label = ttk.Label(self.details_screen, text="Phone:",
font=("Arial", 16), background="lightblue")
        self.phone_label.pack()
        self.phone_entry = ttk.Entry(self.details_screen, font=("Arial", 14))
        self.phone_entry.pack(pady=5)

        self.email_label = ttk.Label(self.details_screen, text="Email:",
font=("Arial", 16), background="lightblue")
        self.email_label.pack()
        self.email_entry = ttk.Entry(self.details_screen, font=("Arial", 14))
        self.email_entry.pack(pady=5)

        self.blood_group_label = ttk.Label(self.details_screen, text="Blood
Group:", font=("Arial", 16), background="lightblue")
        self.blood_group_label.pack()
        self.blood_group_entry = ttk.Entry(self.details_screen, font=("Arial",
14))
        self.blood_group_entry.pack(pady=5)

        submit_button = ttk.Button(self.details_screen, text="Submit",
command=self.print_details, style='TButton')
        submit_button.pack(pady=20)

    def print_details(self):
        name = self.name_entry.get()
        address = self.address_entry.get()
        phone = self.phone_entry.get()
```

```
        email = self.email_entry.get()
        blood_group = self.blood_group_entry.get()

        details = f"Name: {name}\nAddress: {address}\nPhone: {phone}\nEmail:
{email}\nBlood Group: {blood_group}"

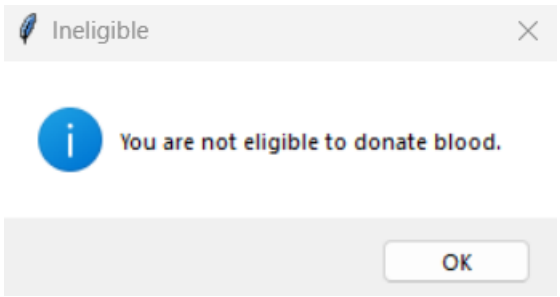
        messagebox.showinfo("Donation Details", details)
        self.master.destroy()

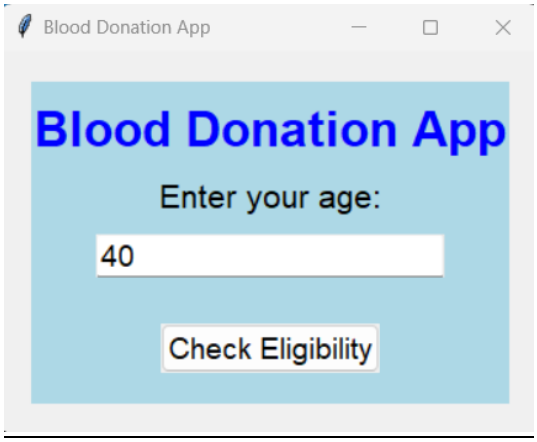
if __name__ == "__main__":
    root = tk.Tk()
    app = BloodDonationApp(root)

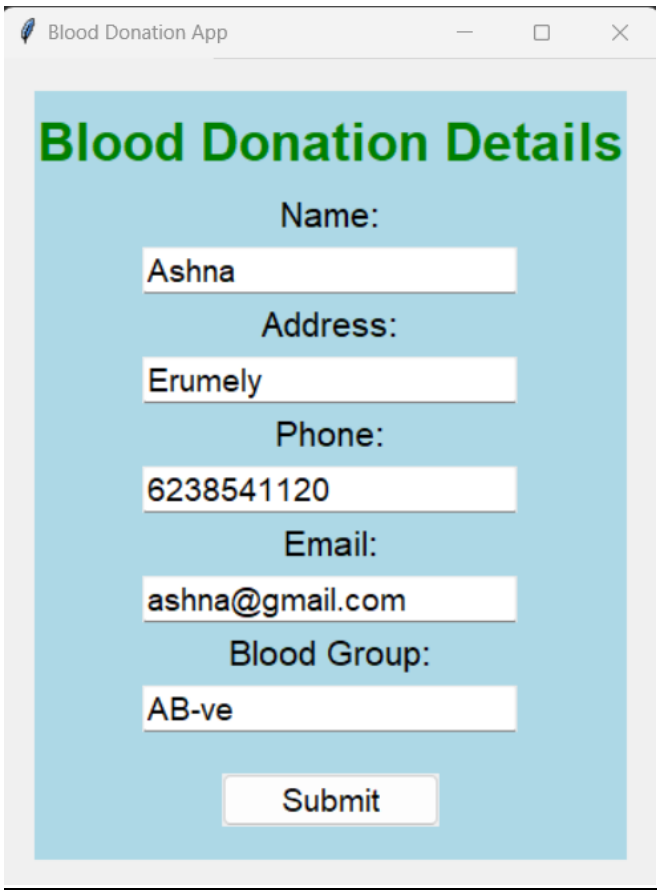
    # Style setup
    style = ttk.Style()
    style.configure('TButton', font=('Arial', 14))

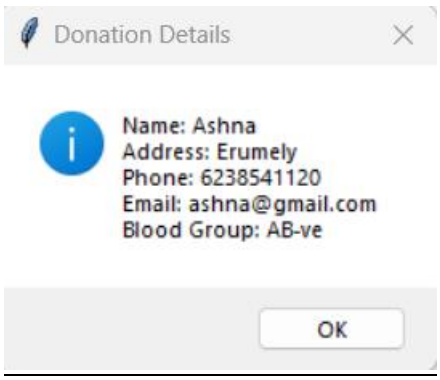
    root.mainloop()
```

OUTPUT




Blood Donation App
Blood Donation App
Enter your age:
40
Check Eligibility


Blood Donation App
Blood Donation Details
Name:
Ashna
Address:
Erumely
Phone:
6238541120
Email:
ashna@gmail.com
Blood Group:
AB-ve
Submit


Donation Details
Name: Ashna
Address: Erumely
Phone: 6238541120
Email: ashna@gmail.com
Blood Group: AB-ve
OK