

### Program 1:

```
import tkinter as tk

from datetime import datetime

def calculate_age():
    dob = entry.get()

    try:
        birth_date = datetime.strptime(dob, "%d/%m/%Y")
        today = datetime.today()

        age = today.year - birth_date.year - ((today.month, today.day) < (birth_date.month,
        birth_date.day))

    result_label.config(text=f"Your age is {age} years")

    except ValueError:
        result_label.config(text="Please enter date in DD/MM/YYYY format")

root = tk.Tk()
root.title("Age Calculator")

tk.Label(root, text="Enter DOB (DD/MM/YYYY):").pack(pady=5)
entry = tk.Entry(root)
entry.pack(pady=5)

tk.Button(root, text="Calculate Age", command=calculate_age).pack(pady=5)
result_label = tk.Label(root, text="")
result_label.pack(pady=5)

root.mainloop()
```

## **Program 2:**

```
import tkinter as tk
```

```
import time
```

```
def update_time():
```

```
    current_time = time.strftime("%H:%M:%S")
```

```
    clock_label.config(text=current_time)
```

```
    clock_label.after(1000, update_time)
```

```
root = tk.Tk()
```

```
root.title("Digital Clock")
```

```
clock_label = tk.Label(root, font=("calibri", 40, "bold"), fg="blue")
```

```
clock_label.pack(padx=20, pady=20)
```

```
update_time()
```

```
root.mainloop()
```