**Program – 9**

Write a Python program Celsius to Fahrenheit Converter using GUI Application.

import tkinter as tk

window = tk.Tk()

window.geometry("300x250")

window.config(bg="#A569BD")

window.resizable(width=False,height=False)

window.title('Celsius to Fahrenheit Converter!')

def exit():

window.destroy()

def convert():

c = int(e1.get())

f = ((c\*9)/(5))+32

t1.config(state='normal')

t1.delete('1.0', tk.END)

t1.insert(tk.END,f)

t1.config(state='disabled')

l1 = tk.Label(window,text="Celsius to Fahrenheit Converter",font=("Arial", 15),fg="white",bg="black")

l2= tk.Label(window,text="Enter temperature in Celsius: ",font=("Arial", 10,"bold"),fg="white",bg="#A569BD")

l3= tk.Label(window,text="Temperature in Fahrenheit is: ",font=("Arial", 10,"bold"),fg="white",bg="#A569BD")

empty\_l1 = tk.Label(window,bg="#A569BD")

empty\_l2 = tk.Label(window,bg="#A569BD")

e1= tk.Entry(window,font=('Arial',10))

btn1 = tk.Button(window,text="Convert to Fahrenheit!",font=("Arial", 10),command=convert)

btn2 = tk.Button(window,text="Exit application",font=("Arial", 10),command=exit)

t1=tk.Text(window,state="disabled",width=15,height=0)

l1.pack()

l2.pack()

e1.pack()

empty\_l1.pack()

btn1.pack()

l3.pack()

t1.pack()

empty\_l2.pack()

btn2.pack()

window.mainloop()

**Program – 10**

Write a Python program for Age Calculator using GUI.

from datetime import date

today = date.today()

import tkinter as tk

window = tk.Tk()

window.geometry("400x300")

window.config(bg="#F7DC6F")

window.resizable(width=False,height=False)

window.title('Age Calculator!')

def exit():

window.destroy()

def get\_age():

d=int(e1.get())

m=int(e2.get())

y=int(e3.get())

age =today.year-y-((today.month, today.day)<(m,d))

t1.config(state='normal')

t1.delete('1.0', tk.END)

t1.insert(tk.END,age)

t1.config(state='disabled')

l1 = tk.Label(window,text="The Age Calculator!",font=("Arial", 20),fg="black",bg="#F7DC6F")

l2 = tk.Label(window,font=("Arial",12),text="Enter your birthday which includes the day-month-year.",fg="black",bg="#F7DC6F")

l\_d=tk.Label(window,text="Date: ",font=('Arial',12,"bold"),fg="darkgreen",bg="#F7DC6F")

l\_m=tk.Label(window,text="Month: ",font=('Arial',12,"bold"),fg="darkgreen",bg="#F7DC6F")

l\_y=tk.Label(window,text="Year: ",font=('Arial',12,"bold"),fg="darkgreen",bg="#F7DC6F")

e1=tk.Entry(window,width=5)

e2=tk.Entry(window,width=5)

e3=tk.Entry(window,width=5)

b1=tk.Button(window,text="Calculate Age!",font=("Arial",13),command=get\_age)

l3 = tk.Label(window,text="The Calculated Age is: ",font=('Arial',12,"bold"),fg="darkgreen",bg="#F7DC6F")

t1=tk.Text(window,width=5,height=0,state="disabled")

b2=tk.Button(window,text="Exit Application!",font=("Arial",13),command=exit)

l1.place(x=70,y=5)

l2.place(x=10,y=40)

l\_d.place(x=100,y=70)

l\_m.place(x=100,y=95)

l\_y.place(x=100,y=120)

e1.place(x=180,y=70)

e2.place(x=180,y=95)

e3.place(x=180,y=120)

b1.place(x=100,y=150)

l3.place(x=50,y=200)

t1.place(x=240,y=203)

b2.place(x=100,y=230)

window.mainloop()