In [1]:

```
pip istall tk
```

```
Note: you may need to restart the kernel to use updated packages.
ERROR: unknown command "istall" - maybe you meant "install"
```

In [2]:

```
pip install tk
```

```
Requirement already satisfied: tk in c:\users\ajay kumar\anaconda3\lib\site-packages (0.1.0)
Note: you may need to restart the kernel to use updated packages.
```

In [3]:

```
from tkinter import *

# Function for clearing the
# contents of all entry boxes
def clear_all() :

        # whole content of entry boxes is deleted
        principle_field.delete(0, END)
        rate_field.delete(0, END)
        time_field.delete(0, END)
        compound_field.delete(0, END)

        # set focus on the principle_field entry box
        principle_field.focus_set()


# Function to find compound interest
def calculate_ci():

        # get a content from entry box
        principle = int(principle_field.get())

        rate = float(rate_field.get())

        time = int(time_field.get())

        # Calculates compound interest
        CI = principle * (pow((1 + rate / 100), time))

        # insert method inserting the
        # value in the text entry box.
        compound_field.insert(10, CI)



# Driver code
if __name__ == "__main__" :

        # Create a GUI window
        root = Tk()

        # Set the background colour of GUI window
        root.configure(background = 'light green')

        # Set the configuration of GUI window
        root.geometry("400x250")

        # set the name of tkinter GUI window
        root.title("Compound Interest Calculator")

        # Create a Principle Amount : label
        label1 = Label(root, text = "Principle Amount(Rs) : ",
                                fg = 'black', bg = 'red')

        # Create a Rate : label
        label2 = Label(root, text = "Rate(%) : ",
                                fg = 'black', bg = 'red')

        # Create a Time : label
        label3 = Label(root, text = "Time(years) : ",
                                fg = 'black', bg = 'red')

        # Create a Compound Interest : label
        label4 = Label(root, text = "Compound Interest : ",
                                fg = 'black', bg = 'red')

        # grid method is used for placing
        # the widgets at respective positions
        # in table like structure .

        # padx keyword argument used to set padding along x-axis .
        # pady keyword argument used to set padding along y-axis .
        label1.grid(row = 1, column = 0, padx = 10, pady = 10)
        label2.grid(row = 2, column = 0, padx = 10, pady = 10)
        label3.grid(row = 3, column = 0, padx = 10, pady = 10)
        label4.grid(row = 5, column = 0, padx = 10, pady = 10)

        # Create a entry box
        # for filling or typing the information.
        principle_field = Entry(root)
        rate_field = Entry(root)
        time_field = Entry(root)
        compound_field = Entry(root)

        # grid method is used for placing
        # the widgets at respective positions
        # in table like structure .

        # padx keyword argument used to set padding along x-axis .
        # pady keyword argument used to set padding along y-axis .
        principle_field.grid(row = 1, column = 1, padx = 10, pady = 10)
        rate_field.grid(row = 2, column = 1, padx = 10, pady = 10)
        time_field.grid(row = 3, column = 1, padx = 10, pady = 10)
        compound_field.grid(row = 5, column = 1, padx = 10, pady = 10)

        # Create a Submit Button and attached
        # to calculate_ci function
        button1 = Button(root, text = "Submit", bg = "red",
                                        fg = "black", command = calculate_ci)

        # Create a Clear Button and attached
        # to clear_all function
        button2 = Button(root, text = "Clear", bg = "red",
                                        fg = "black", command = clear_all)

        button1.grid(row = 4, column = 1, pady = 10)
        button2.grid(row = 6, column = 1, pady = 10)

        # Start the GUI
        root.mainloop()
```

In [ ]: