main.py things.txt

```
1  def write():
2      animal=input('Enter name of animal: ')
3      fruit=input('Enter name of fruit: ')
4      country=input('Enter name of country: ')
5      outfile=open("things.txt","a")
6      outfile.write(animal+'\n')
7      outfile.write(fruit+'\n')
8      outfile.write(country+'\n')
9      outfile.close()
10     print('data recorded')
11 write()
```

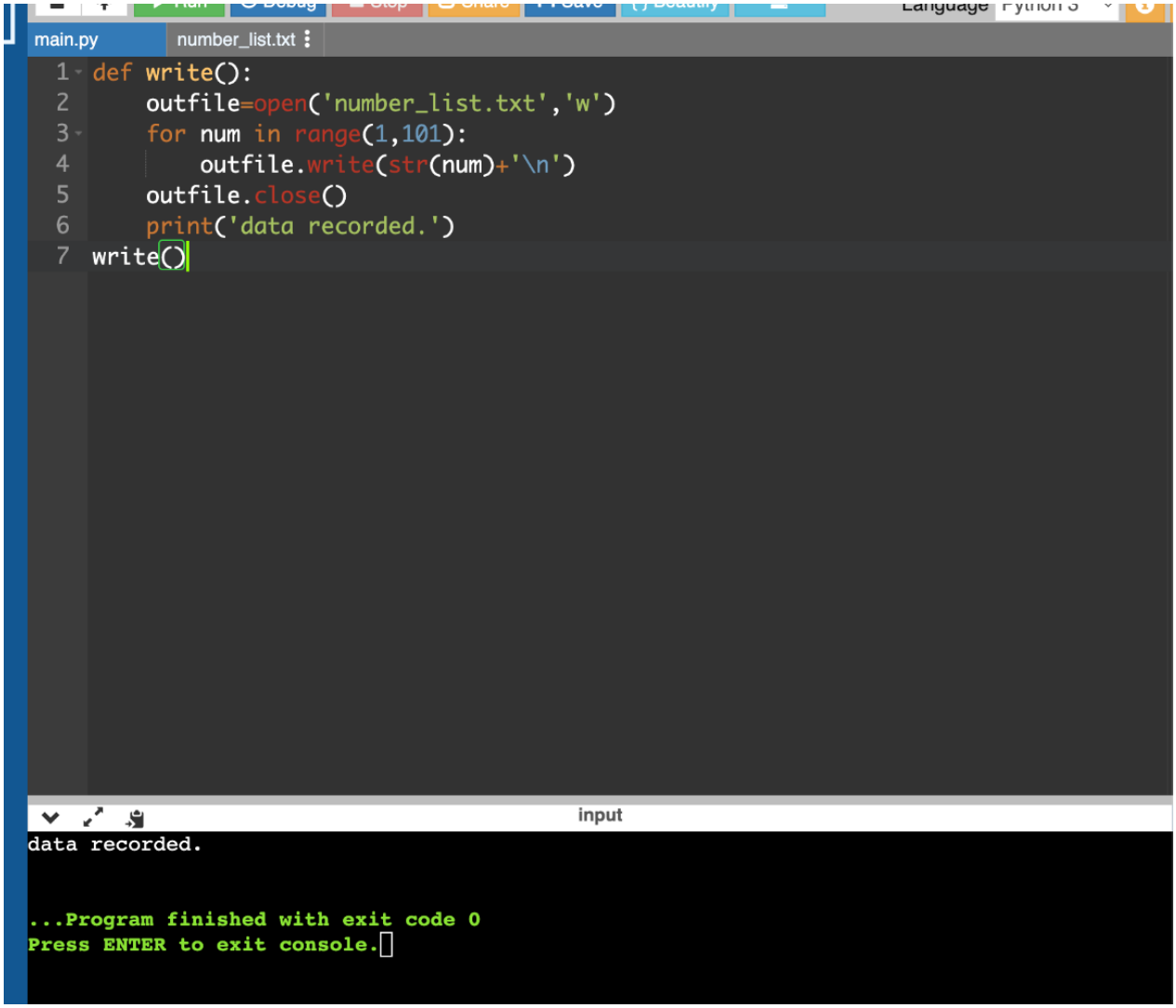
input

```
Enter name of animal: dog
Enter name of fruit: apple
Enter name of country: usa
data recorded


...Program finished with exit code 0
Press ENTER to exit console.
```

main.py

```
1 def read():
2     infile=open('things.txt','r')
3     filecontents=infile.read()
4     infile.close()
5     print(filecontents)
6 read()
```


main.py
number_list.txt
1 def write():
2 outfile=open('number_list.txt','w')
3 for num in range(1,101):
4 outfile.write(str(num)+'\n')
5 outfile.close()
6 print('data recorded.')
7 write()
input
data recorded.
...Program finished with exit code 0
Press ENTER to exit console.

main.py

```python
import tkinter as tk
from tkinter import messagebox
win=tk.Tk()
win.geometry("300x70")
win.title("sum of numbers")
def write():
    try:
        outfile=open("number.txt","w")
        for value in range(100,1100,100):
            outfile.write(str(value)+"\n")
        outfile.close()
    except Exception as err:
        print(err)
write()
def calculate_total():
    try:
        infile=open("number.txt","r")
        tot=0
        nums_list=[]
        for line in infile:
            content=float(line)
            nums_list.append(content)
            tot+=content
        messagebox.showinfo("sum of numbers","numbers in file:\n"+str(nums_list)+"\n"+f"total:{tot}")
        infile.close()
    except Exception as err:
        print(err)
def quit():
    messagebox.showinfo("Exit","Thank you...")
    win.destroy()
btnTotal=tk.Button(win,text="total",command=calculate_total)
btnQuit=tk.Button(win,text="quit",command=quit)
ntnTotal.pack(side='top')
btnQuit.pack(side='bottom')
win.mainloop()
```