```
#Harmonic series 13+1/2+1/3+1/4+1/5......

i=1
while i<10:
    n=int(input("Enter the Number : "))
    def harmonic(n):
        if n == 1:
            return 1
        else:
            return 1/n + harmonic(n-1)
    print(harmonic(n))
    break
i+=1
```

```
Python 3.11.3 (tags/v3.11.3:f3909b8, Apr  4 2023, 23:49:59) [MSC v.1934
64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
=== RESTART: C:\Users\kisho\OneDrive\Desktop\Data Science\Python\Harmoni
c.py ===
Enter the Number : 3
1.8333333333333333
>>>
```