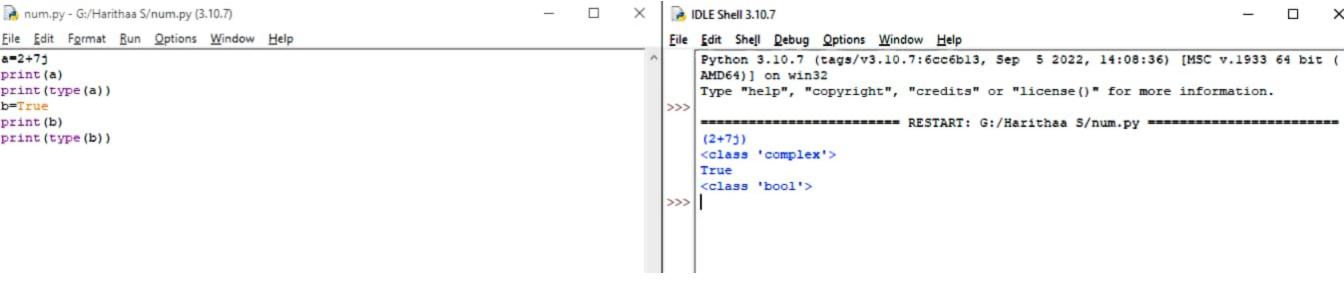


```
num.py - G:/Harithaa S/num.py (3.10.7)
                                                                    _ _
                                                                                    ▶ IDLE Shell 3.10.7
File Edit Format Run Options Window Help
                                                                                   File Edit Shell Debug Options Window Help
#Collections
                                                                                       Python 3.10.7 (tags/v3.10.7:6cc6bl3, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (
lst=[10,20,30,40,50]
                                                                                       AMD64)] on win32
print (1st)
                                                                                       Type "help", "copyright", "credits" or "license()" for more information.
print(type(lst))
                                                                                       ----- RESTART: G:/Harithaa S/num.py -----
#Tuple
                                                                                       [10, 20, 30, 40, 50]
tu=(5,10,15,20,25)
                                                                                       <class 'list'>
print (tu)
                                                                                       (5, 10, 15, 20, 25)
print (type (tu))
                                                                                       <class 'tuple'>
                                                                                       {2000, 2500.3, 500, 1000, 1500}
#Set
                                                                                       <class 'set'>
s={500,1000,1500,2000,2500.3000}
                                                                                   >>>
print(s)
print (type (s))
```



num.py - G:/Harithaa S/num.py (3.10.7)	1	\times	IDLE Shell 3.10.7
<u>File Edit Format Run Options Window Help</u>			<u>File Edit Shell Debug Options Window Help</u>
<pre>strl=input("Enter the letter:") if(strl == strl[::-1]): print("The letter is a palindrome") else: print("The letter is not a palindrome")</pre>		^	Python 3.10.7 (tags/v3.10.7:6cc6bl3, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (AMD64)] on win32 Type "help", "copyright", "credits" or "license()" for more information. >>> RESTART: G:/Harithaa S/num.py Enter the letter:english
			The letter is not a palindrome >>> RESTART: G:/Harithaa S/num.py Enter the letter:malayalam The letter is a palindrome >>>

```
IDLE Shell 3.10.7
num.py - G:/Harithaa S/num.py (3.10.7)
                                                                 File Edit Format Run Options Window Help
                                                                           File Edit Shell Debug Options Window Help
num=int(input("Enter a number:"))
                                                                              Python 3.10.7 (tags/v3.10.7:6cc6bl3, Sep 5 2022, 14:08:36) [MSC v.1933 64 bit (
                                                                              AMD64)] on win32
sum=0
temp=num
                                                                              Type "help", "copyright", "credits" or "license()" for more information.
while temp>0:
                                                                              ----- RESTART: G:/Harithaa S/num.py -----
   digit=temp%10
   sum+=digit **3
                                                                              Enter a number: 123
   temp//=10
                                                                              123 is not an armstrong number
if num == sum:
   print (num, "is an armstrong number")
                                                                              RESTART: G:/Harithea S/num.py
else:
                                                                              Enter a number: 151
   print (num, "is not an armstrong number")
                                                                              151 is not an armstrong number
                                                                              ----- RESTART: G:/Harithaa S/num.py -----
                                                                              Enter a number: 153
                                                                              153 is an armstrong number
                                                                          >>>
```

