

Enter the number of elements in the list

m=4

a_list=[0,0,0,0]

Enter a list which contains elements

a_list=[23,153,3,5]

count =0

index=1(for)

sum=0

temp=a_list[0]=23

while(23>0)=condition is true

digit=23%10=3

sum=sum+digit**3 =27

temp =2

while(2>0)=condition is true

digit=2%10=2

sum=sum+digit**3 =27+8=35

temp =0

while(0>0)=condition is false(exit from while loop)

if a_list[0] == sum: (false)

count will not get incremented...

index=2

sum = 0

temp=a_list[1]=153

while(153>0)=condition is true

digit=153%10=3

$\text{sum} = \text{sum} + \text{digit}^{**3} = 0 + 27 = 27$

$\text{temp} = 15$

$\text{while}(15 > 0) = \text{condition is true}$

$\text{digit} = 15 \% 10 = 5$

$\text{sum} = 27 + 5^{**3} = 27 + 125 = 152$

$\text{temp} = 1$

$\text{while}(1 > 0) = \text{condition is true}$

$\text{digit} = 1 \% 10 = 1$

$\text{sum} = 152 + 1^{**3} = 152 + 1 = 153$

$\text{temp} = 0$

$\text{while}(0 > 0) = \text{condition is false}(\text{exit from while loop})$

$\text{if } a_list[1] == \text{sum}: (\text{true})$

$\text{count} = \text{count} + 1 = 0 + 1 = 1$

index=3

index=4