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19 0 g (1)

Dive: SE-Sem4)- Div A

## SBL- Pathon-Equiment 3

-> AIM: Write a program to chook whether a given number is armitting

(1) from string number is a number host is sum of its own digits each raised to the power of the number digits

( We can find wheather a number is an armstrong number as

not using a while loop.

(3) The loop will rum until the condition satisfies.

(4) Then we cheek if the condition satisfies and if the condition marches the required for a number to be an armstong

## Program:

num = int (input ("Enter a number: ")

Sum = 0

temp = num

While temp >0:

digit = temp 1/ 10

sum += digit \* \* 3

temp 11=10

if num = sum

print (num, " is an armstsing number")

print ( num, " is not an Armstrong Number ")

- Output:

19 0 40

Enter a number: 105 is not an armstrong number.

Renet: Thus as we see asking the war for an imput and then we run it through our while loop.

As seen the number taken isnt an orinstong number.