**43.How to sum a given number into single digit using nested while loop in python?**

**Objective:**

* To sum a given number into single digit using python3.

**Process:**

* Get the input from user.
* Initialize nested for loop.
* Use % and // operators for separating and round off the input value.
* Print the result.

**Input:**

* Integer number.

**Output:**

* Sum of given number in single digit.

**Source code:**

#get the input from user

n=int(input("Enter the number:"))

#declare two variable to store final result

rev=0

rev1=0

#initialize first while loop

while(n>0):

r=n%10

rev=rev+r

n=n//10

#initialize second while loop

while(rev>0):

s=rev%10

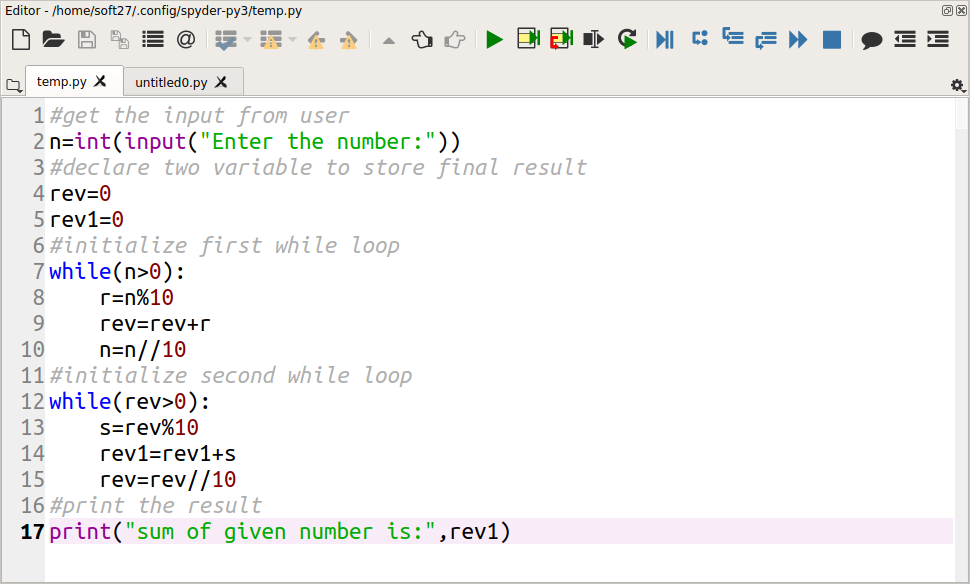
rev1=rev1+s

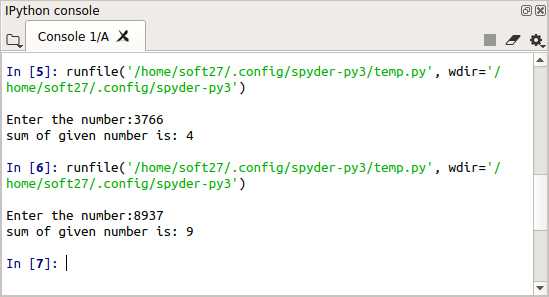
rev=rev//10

#print the result

print("sum of given number is:",rev1)

**Screen shot:**

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