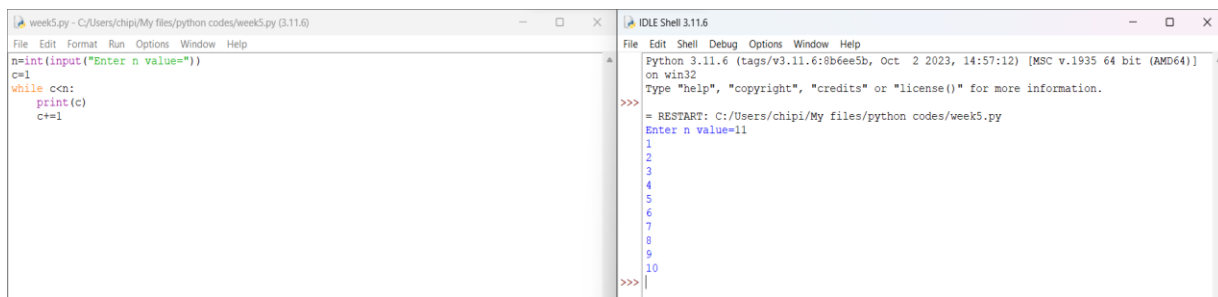


Name:Ch.karthik

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1. Write a Python program to print all natural numbers from 1 to n. - using while loop

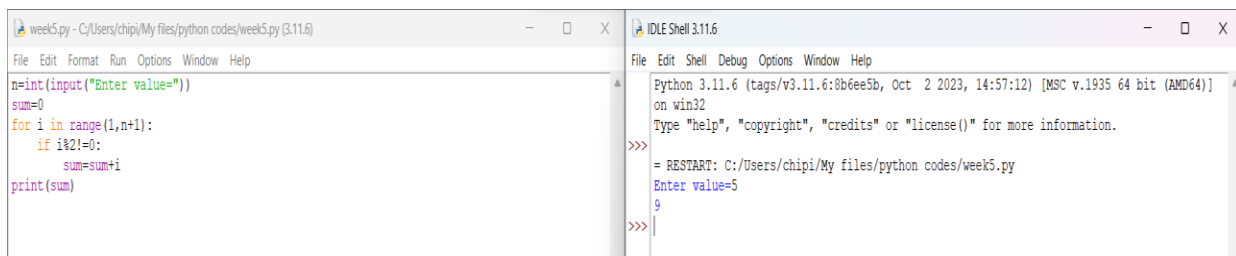


The screenshot shows a Python IDE with two windows. The left window, titled 'week5.py', contains the following code:

```
n=int(input("Enter n value="))
c=1
while c<=n:
    print(c)
    c+=1
```

The right window, titled 'IDLE Shell 3.11.6', shows the execution of the program. It prompts 'Enter n value=11' and prints the numbers 1 through 10 (the last visible output).

2.write a python program to find sum of all odd numbers between 1 to n.

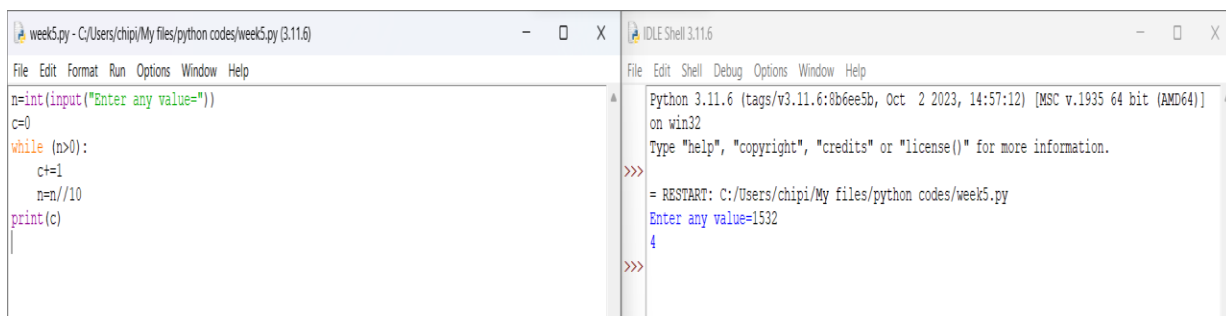


The screenshot shows a Python IDE with two windows. The left window, titled 'week5.py', contains the following code:

```
n=int(input("Enter value="))
sum=0
for i in range(1,n+1):
    if i%2!=0:
        sum=sum+i
print(sum)
```

The right window, titled 'IDLE Shell 3.11.6', shows the execution of the program. It prompts 'Enter value=5' and prints the output '9'.

3.Write a python program to find sum of all odd numbers between 1 to n.

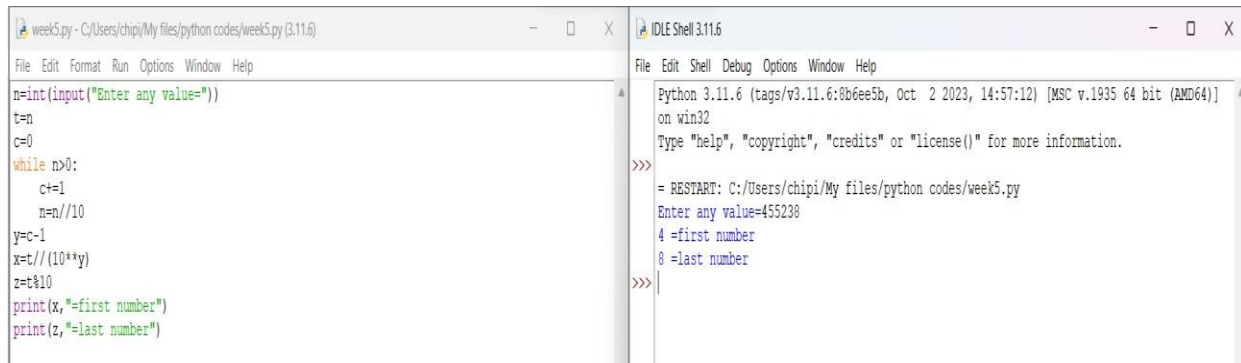


The screenshot shows a Python IDE with two windows. The left window, titled 'week5.py', contains the following code:

```
n=int(input("Enter any value="))
c=0
while (n>0):
    c+=1
    n=n//10
print(c)
```

The right window, titled 'IDLE Shell 3.11.6', shows the execution of the program. It prompts 'Enter any value=1532' and prints the output '4'.

4. Write a python program to find first and last digit of a number.



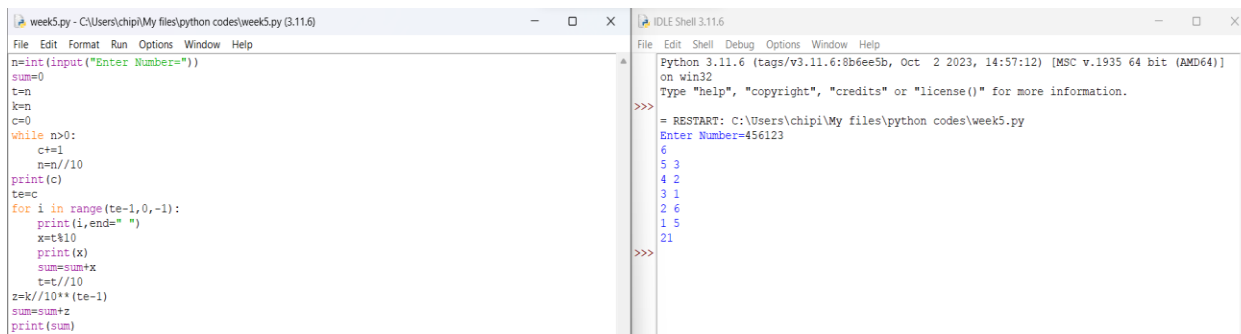
The screenshot shows a Python IDE with two windows. The left window, titled 'week5.py', contains the following code:

```
n=int(input("Enter any value="))
t=n
c=0
while n>0:
    c+=1
    n=n//10
y=c-1
x=t//(10**y)
z=t%10
print(x,"=first number")
print(z,"=last number")
```

The right window, titled 'IDLE Shell 3.11.6', shows the execution of the program. It prompts the user to enter a value, and the user enters 455238. The program then prints the first digit (4) and the last digit (8).

```
Python 3.11.6 (tags/v3.11.6:8b6ee5b, Oct 2 2023, 14:57:12) [MSC v.1935 64 bit (AMD64)]
on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/chipi/My files/python codes/week5.py
Enter any value=455238
4 =first number
8 =last number
>>>
```

5. write a python program to calculate sum of digits of a number.



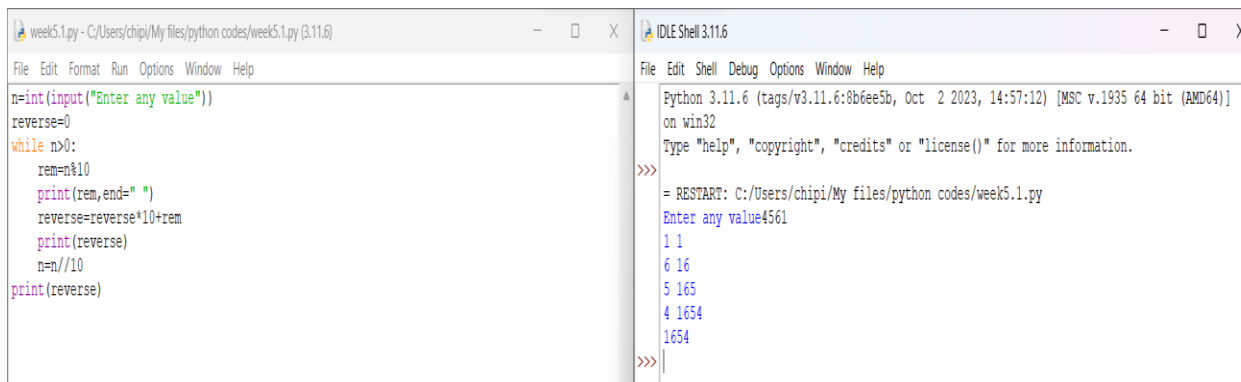
The screenshot shows a Python IDE with two windows. The left window, titled 'week5.py', contains the following code:

```
n=int(input("Enter Number="))
sum=0
t=n
k=n
c=0
while n>0:
    c+=1
    n=n//10
print(c)
te=c
for i in range(te-1,0,-1):
    print(i,end=" ")
    x=t%10
    print(x)
    sum=sum+x
    t=t//10
z=k//10**(te-1)
sum=sum+z
print(sum)
```

The right window, titled 'IDLE Shell 3.11.6', shows the execution of the program. It prompts the user to enter a number, and the user enters 456123. The program then prints the sum of the digits (21).

```
Python 3.11.6 (tags/v3.11.6:8b6ee5b, Oct 2 2023, 14:57:12) [MSC v.1935 64 bit (AMD64)]
on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/chipi/My files/python codes/week5.py
Enter Number=456123
6
5
3
4
2
3
1
2
6
1
5
21
>>>
```

6. Write a python program to reverse a given number?



The screenshot shows a Python IDE with two windows. The left window, titled 'week5.1.py', contains the following code:

```
n=int(input("Enter any value"))
reverse=0
while n>0:
    rem=n%10
    print(rem,end=" ")
    reverse=reverse*10+rem
    print(reverse)
    n=n//10
print(reverse)
```

The right window, titled 'IDLE Shell 3.11.6', shows the execution of the program. It prompts the user to enter a value, and the user enters 4561. The program then prints the reversed number (1654).

```
Python 3.11.6 (tags/v3.11.6:8b6ee5b, Oct 2 2023, 14:57:12) [MSC v.1935 64 bit (AMD64)]
on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:/Users/chipi/My files/python codes/week5.1.py
Enter any value4561
1 1
6 16
5 165
4 1654
1654
>>>
```