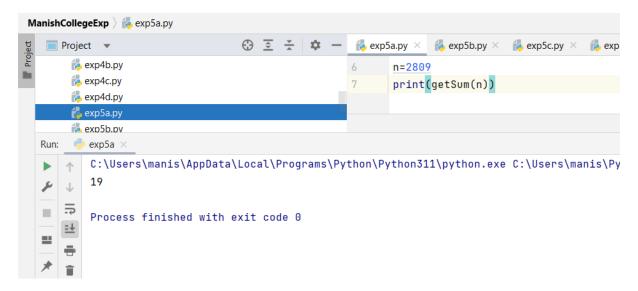
Experiment No.5

Aim: Edit/compile/run a program to read a four digit number through the keyboard and calculate the sum of its digit.

Program A:

```
def getSum(n):
    sum=0
    for digit in str(n):
        sum += int(digit)
    return sum
n=2809
print(getSum(n))
```

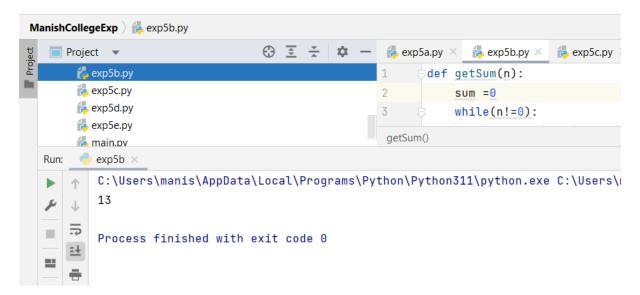
Output:



Program B:

```
def getSum(n):
    sum =0
    while(n!=0):
        sum=sum+(n%10)
        n=n//10
    return sum
n=2542
print(getSum(n))
```

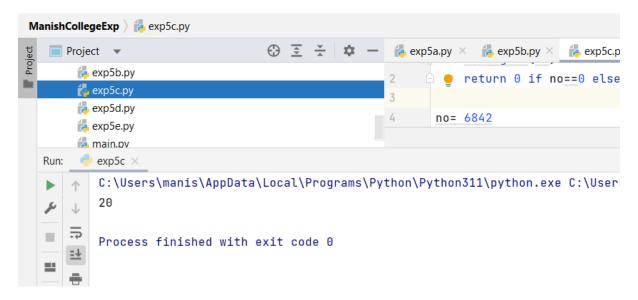
Output:



Program C:

```
def sumDigits(no):
    return 0 if no==0 else int(no%10)+sumDigits(int(no/10))
no= 6842
print(sumDigits(no))
```

Output:

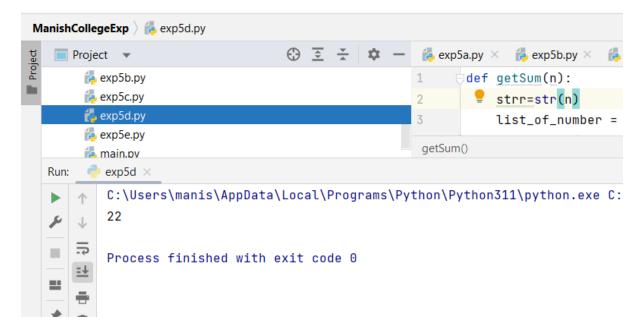


Program D:

```
def getSum(n):
    strr=str(n)
    list_of_number = list(map(int, strr.strip()))
    return sum(list_of_number)

n = 2587
print(getSum(n))
```

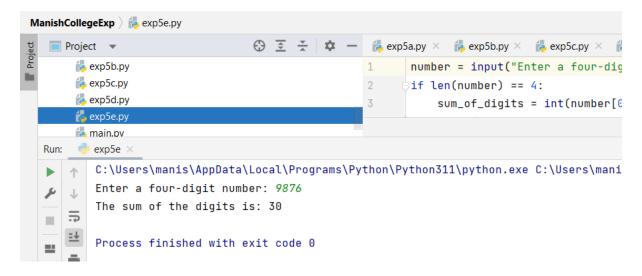
Output:



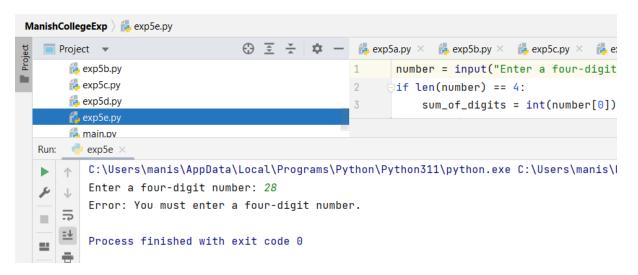
Program E:

```
number = input("Enter a four-digit number: ")
if len(number) == 4:
    sum_of_digits = int(number[0]) + int(number[1]) +
int(number[2]) + int(number[3])
    print("The sum of the digits is:", sum_of_digits)
else:
    print("Error: You must enter a four-digit number.")
```

Output: If 4 digits are entered correctly:



Output: If 4 digits are not entered:



Practical Performance (4)	Writeup & Oral (4)	Attendance (2)	Total (10)