Python codes

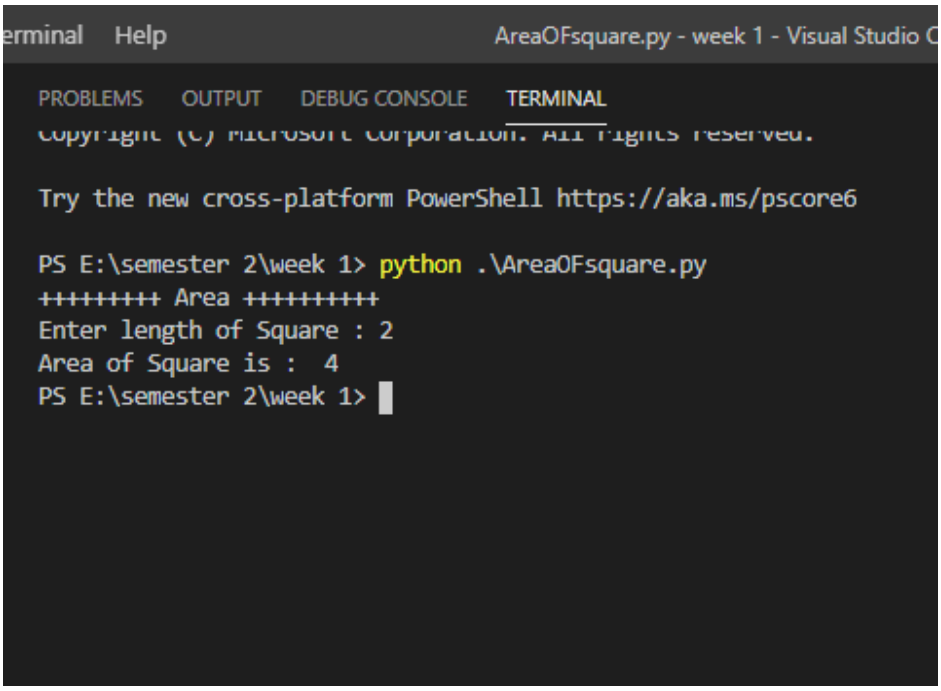
1-Area of Square:

```
print("+++++++++ Area ++++++++++")
length = 37

length = input("Enter length of Square : ")

Area = (int(length)*int(length))

print("Area of Square is : ", Area)
```



2-Sum of Consecutive Numbers:

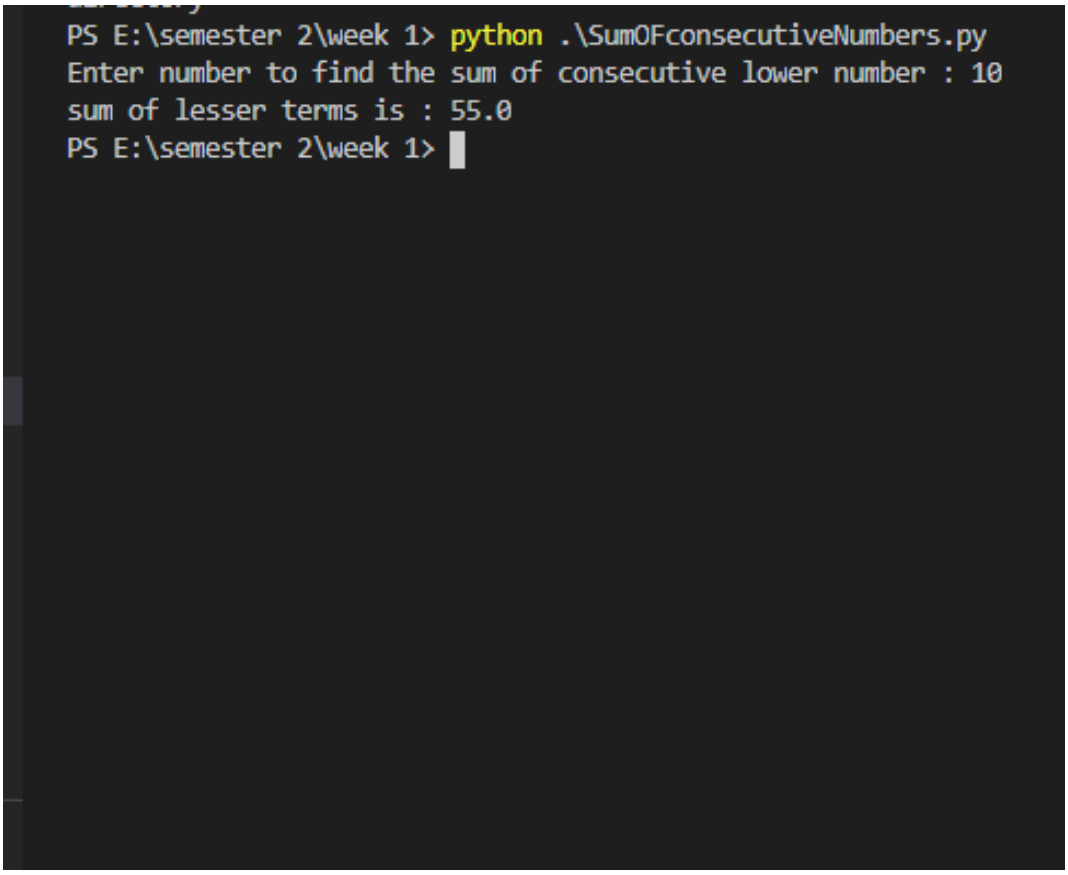
number = 37

number = input("Enter number to find the sum of consecutive lower number : ") #Taking Input

#Applying formula for the sum of series that is SUM= (n/2) * (n+1)

sum = (int(number)/2) * (int(number)+1)

print("sum of lesser terms is :", sum)

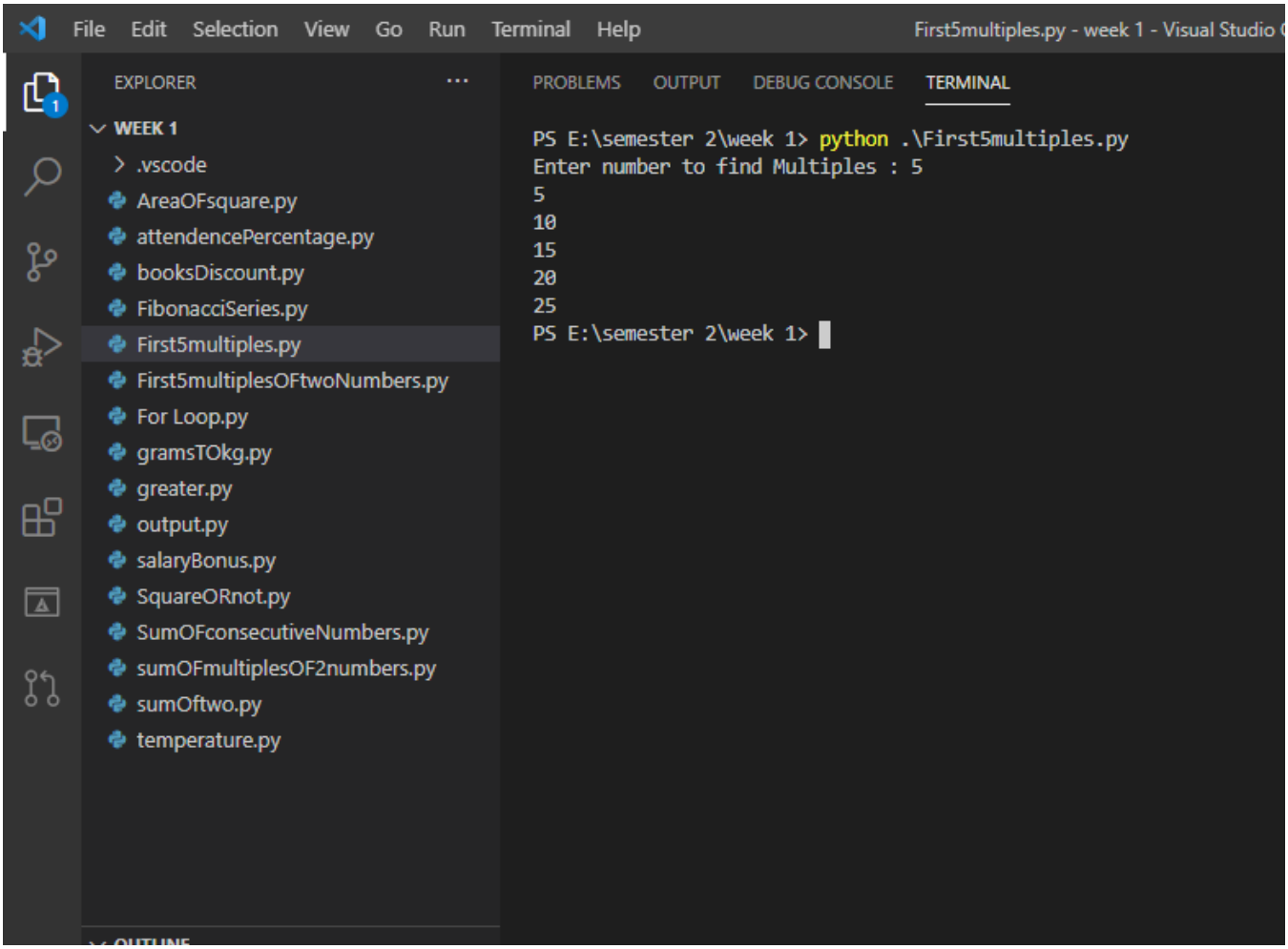


3-First 5 multiples of a number:

```
number = 37

number = input("Enter number to find Multiples : ") #Taking Input

"""Printing the first 5 Multiples of number"""
print((int(number) * 1))
print((int(number) * 2))
print((int(number) * 3))
print((int(number) * 4))
print((int(number) * 5))
```



4-First 5 multiples of 2 numbers:

```
number01 = 0

number02 = 0


number01 = input("Enter First number to find Multiples : ")


"""Printing the first 5 Multiples of First number"""

print("Multiples of ", number01, "Are :")

print((int(number01) * 1))

print((int(number01) * 2))

print((int(number01) * 3))

print((int(number01) * 4))

print((int(number01) * 5))


number02 = input("Enter Second number to find Multiples : ")


"""Printing the first 5 Multiples of Second number"""

print("Multiples of ", number02, "Are :")

print((int(number02) * 1))

print((int(number02) * 2))

print((int(number02) * 3))

print((int(number02) * 4))

print((int(number02) * 5))
```

```
PS E:\semester 2\week 1> python .\First5multiplesOFtwoNumbers.py
Enter First number to find Multiples : 4
Multiples of  4 Are :
4
8
12
16
20
Enter Second number to find Multiples : 3
Multiples of  3 Are :
3
6
9
12
15
PS E:\semester 2\week 1>
```

5- Sum of 5 multiples of two numbers:

```
number01 = 0 #Defining numbers
number02 = 0

number01 = input("Enter First number to find Multiples : ")

"""Multiplying and Saving Multiples of First number into variables """
mul01 = (int(number01) * 1)
mul02 = (int(number01) * 2)
mul03 = (int(number01) * 3)
mul04 = (int(number01) * 4)
mul05 = (int(number01) * 5)

number02 = input("Enter Second number to find Multiples : ")

"""Multiplying and Saving Multiples of 2nd number into variables"""
SECmul01 = (int(number02) * 1)
SECmul02 = (int(number02) * 2)
SECmul03 = (int(number02) * 3)
SECmul04 = (int(number02) * 4)
SECmul05 = (int(number02) * 5)

#Adding & Showing the sum of Multiples
print("Sum of Multiples of ", number01, "and", number02, "Are :")
print(int(mul01) + int(SECmul01))
print(int(mul02) + int(SECmul02))
print(int(mul03) + int(SECmul03))
print(int(mul04) + int(SECmul04))
print(int(mul05) + int(SECmul05))
```

```
PS E:\semester 2\week 1> python .\sumOFmultiplesOF2numbers.py
Enter First number to find Multiples : 2
Enter Second number to find Multiples : 3
Sum of Multiples of  2 and 3 Are :
5
10
15
20
25
PS E:\semester 2\week 1>
```

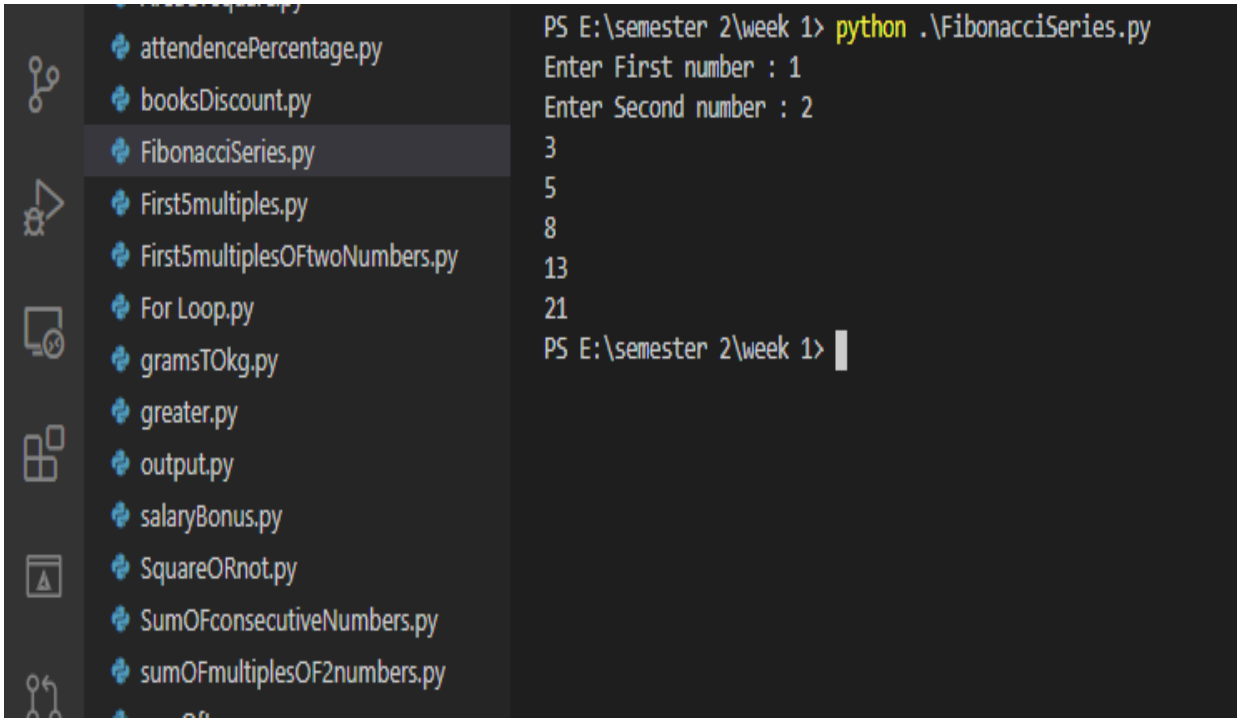
6-Fibonacci series till 5 terms:

```
number01 = 0
number02 = 0
number01 = input("Enter First number : ")
number02 = input("Enter Second number : ")

#if 2nd number is greater series must proceed that way
if number02 > number01:
    mul01 = (int(number01)+int(number02))
    mul02 = (int(number02)+int(mul01))
    mul03 = (int(mul01)+int(mul02))
    mul04 = (int(mul02)+int(mul03))
    mul05 = (int(mul03)+int(mul04))

#if 1st number is greater series must proceed that way
else:
    mul01 = (int(number02)+int(number01))
    mul02 = (int(number01)+int(mul01))
    mul03 = (int(mul01)+int(mul02))
    mul04 = (int(mul02)+int(mul03))
    mul05 = (int(mul03)+int(mul04))

#Showing the result
print(mul01)
print(mul02)
print(mul03)
print(mul04)
print(mul05)
```


attendencePercentage.py
booksDiscount.py
FibonacciSeries.py
First5multiples.py
First5multiplesOFtwoNumbers.py
For Loop.py
gramsTOkg.py
greater.py
output.py
salaryBonus.py
SquareORnot.py
SumOFconsecutiveNumbers.py
sumOFmultiplesOF2numbers.py
PS E:\semester 2\week 1> python .\FibonacciSeries.py
Enter First number : 1
Enter Second number : 2
3
5
8
13
21
PS E:\semester 2\week 1>