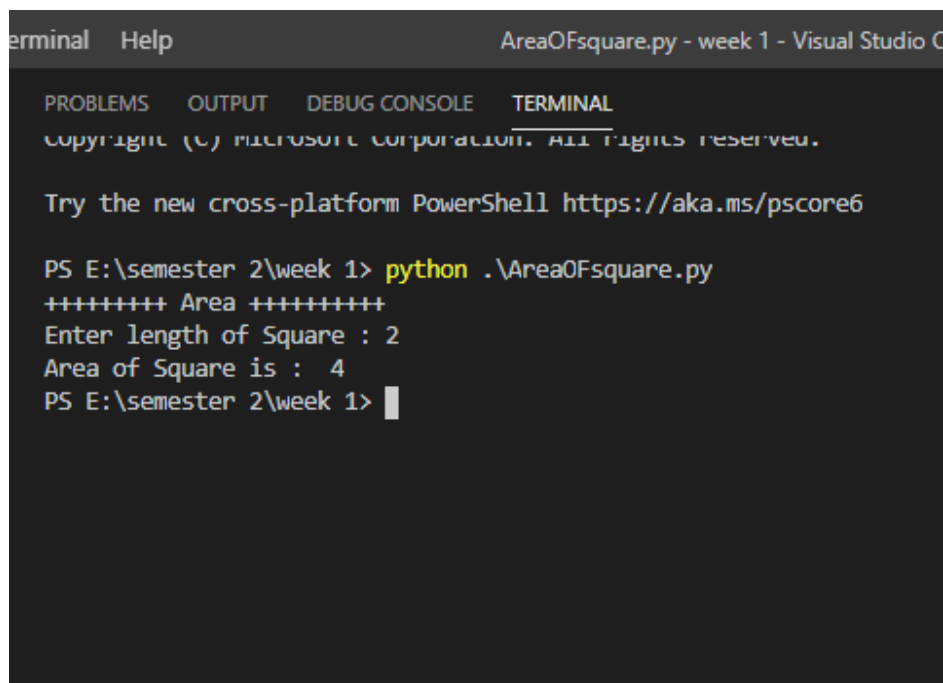


Python codes

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)
```



The screenshot shows a terminal window titled "AreaOfSquare.py - week 1 - Visual Studio Code". The terminal output includes the following text:

```
terminal  Help  AreaOfSquare.py - week 1 - Visual Studio C  
PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL  
Copyright (c) Microsoft Corporation. All rights reserved.  
  
Try the new cross-platform PowerShell https://aka.ms/pscore6  
  
PS E:\semester 2\week 1> python .\AreaOfSquare.py  
+++++++ Area ++++++++  
Enter length of Square : 2  
Area of Square is : 4  
PS E:\semester 2\week 1> █
```

2-Sum of Consecutive Numbers:

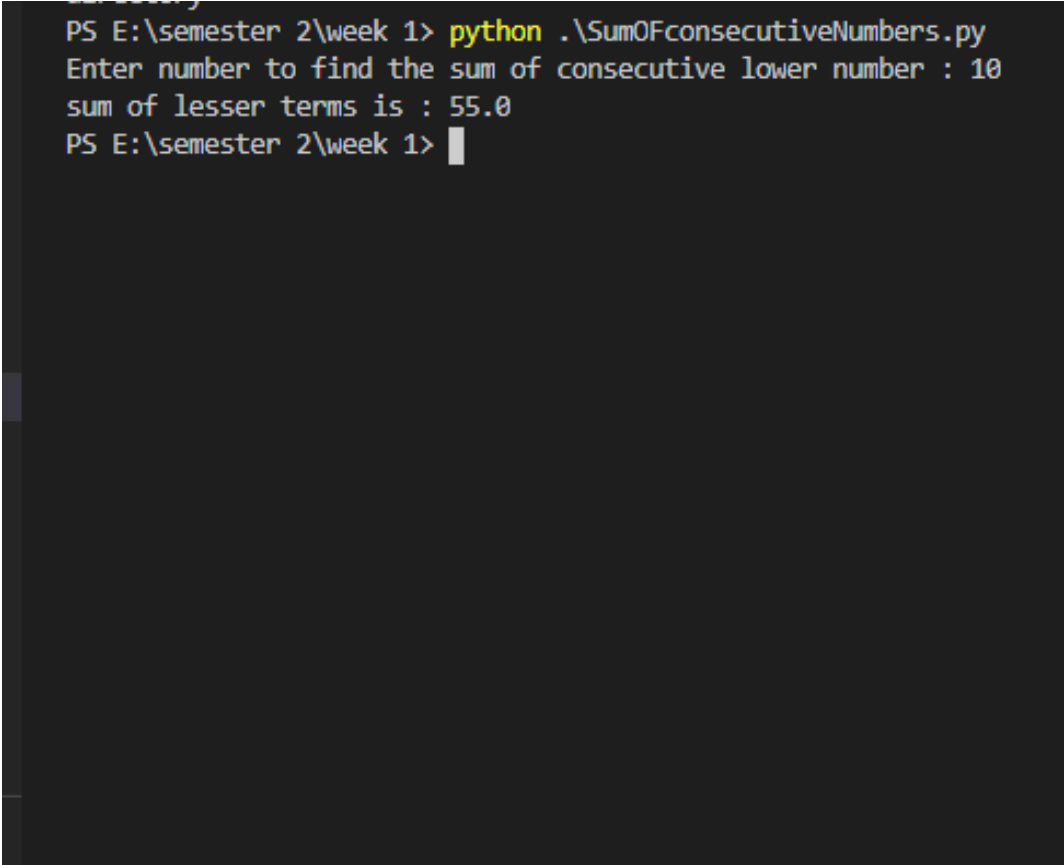
```
number = 37
```

```
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)
```



```
PS E:\semester 2\week 1> python .\SumOfconsecutiveNumbers.py
Enter number to find the sum of consecutive lower number : 10
sum of lesser terms is : 55.0
PS E:\semester 2\week 1>
```

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"""
```

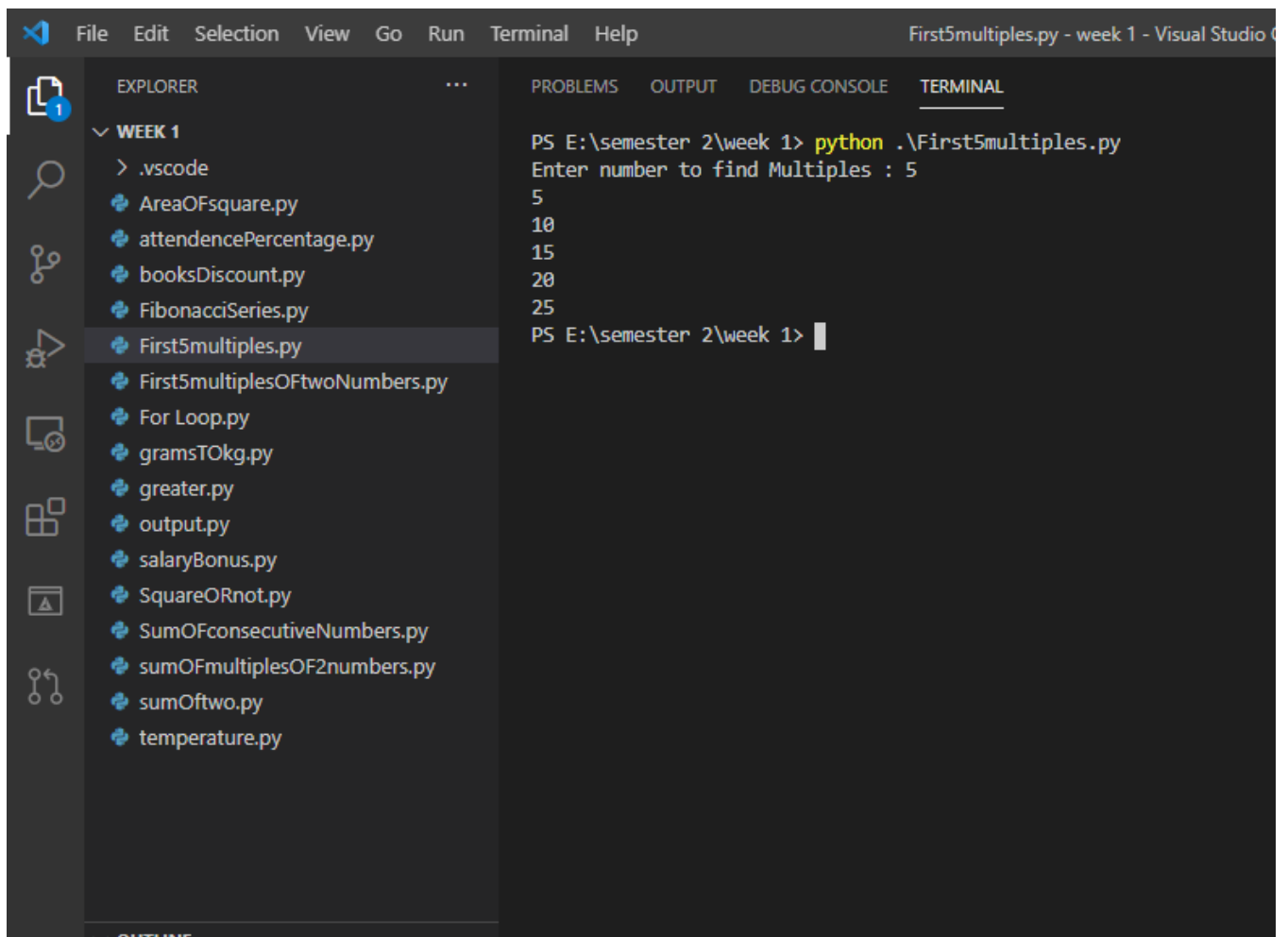
```
print((int(number) * 1))
```

```
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
```

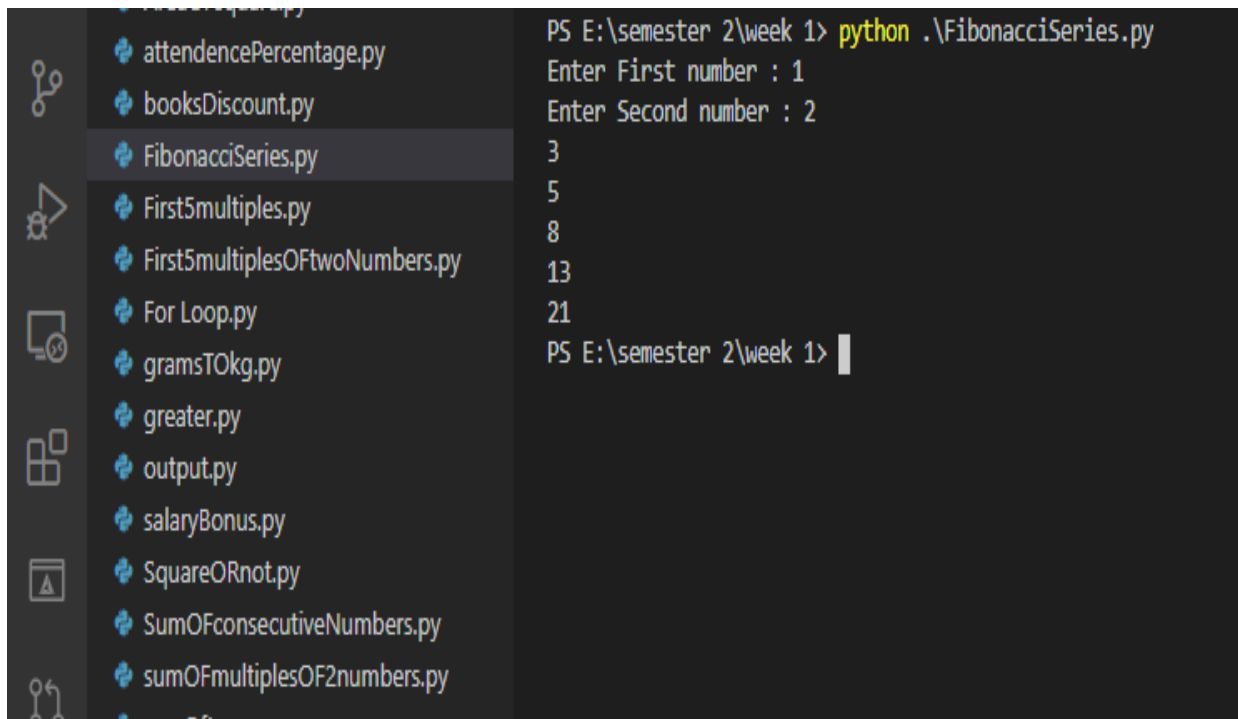
```
print(mul01)
```

```
print(mul02)
```

```
print(mul03)
```

```
print(mul04)
```

```
print(mul05)
```



The image shows a Windows File Explorer window with a dark theme. The left sidebar contains icons for 'Home', 'This PC', 'OneDrive', 'Network', 'Control Panel', 'This PC', 'OneDrive', 'Network', and 'Control Panel'. The main pane displays a list of Python files in a directory. The files are: `attendancePercentage.py`, `booksDiscount.py`, `FibonacciSeries.py` (highlighted), `First5multiples.py`, `First5multiplesOFtwoNumbers.py`, `For Loop.py`, `gramsTOkg.py`, `greater.py`, `output.py`, `salaryBonus.py`, `SquareORnot.py`, `SumOFconsecutiveNumbers.py`, and `sumOFmultiplesOF2numbers.py`. To the right of the file explorer is a terminal window with a dark background. The terminal shows the command `python .\FibonacciSeries.py` being executed. The output of the script is: `Enter First number : 1`, `Enter Second number : 2`, `3`, `5`, `8`, `13`, and `21`. The terminal prompt is `PS E:\semester 2\week 1>`.

```
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>
```