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# Prog. Description: Assignment 1

name = input("What is your name? ")
print("Hello", name, end="! ")
firstnum = input("Enter your first number: ")
secondnum = input("Excellent choice. How about the second one? ")

#used for integer conversion
firstnum = int(firstnum)
secondnum = int(secondnum)

#sum and product equations
sumOfNumbers = firstnum + secondnum
prodOfNumbers = firstnum * secondnum

print("Their sum is:", sumOfNumbers)
print("Their product is:", prodOfNumbers)

#remainder and division result equations
remainder = firstnum % secondnum
divresult = firstnum // secondnum

#rephrases division question, prints quotient & remainder
print(firstnum, "divided by", secondnum, "is", divresult, "remainder",
remainder, sep=" ")
```