

Problem: First N Numbers Sum

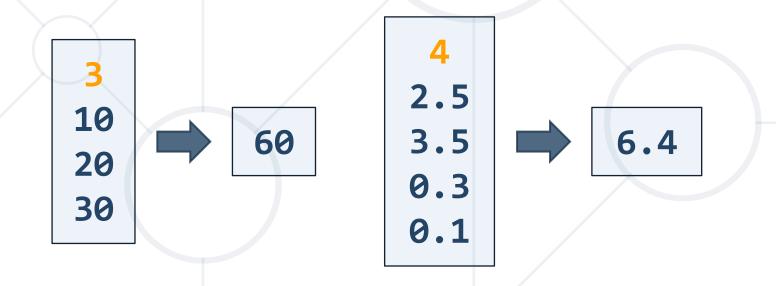


- Write a program, which sums the numbers 1...n:
 - Reads number n from the console
 - Sums all numbers from 1 to n
 - Prints the sum on the console as shown below:

Problem: Sum N Numbers



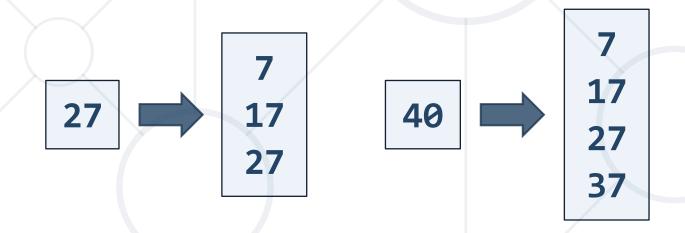
- Write a program to sum given N numbers:
 - Read n the count of numbers to sum
 - Read n floating-point numbers and print their sum



Problem: Numbers Ending with 7



- Write a program to print numbers ending in 7 in given range:
 - Reads a number n
 - Prints all numbers from 7 to n, ending with 7



Problem: Exam Countdown



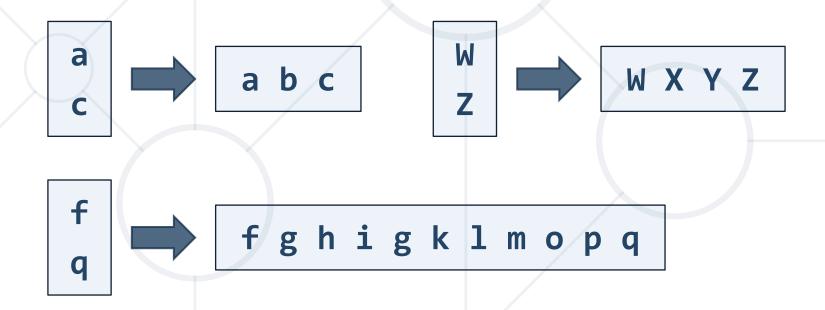
- Write a program to print a countdown to an exam (see below):
 - Read an integer d: the count of days before an exam
 - For each day d...1 print: "{currentDay} days before the exam"
 - At the end print: "The exam has come"

3 days before the exam
2 days before the exam
1 days before the exam
The exam has come

Problem: Latin Letters



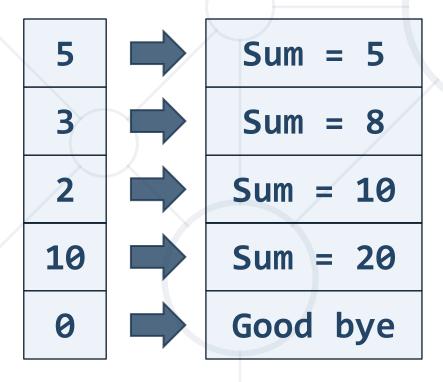
- Write a program to print the Latin letters in certain range:
 - Read 2 letters, each on separate line
 - Print all letters in the specified range inclusively

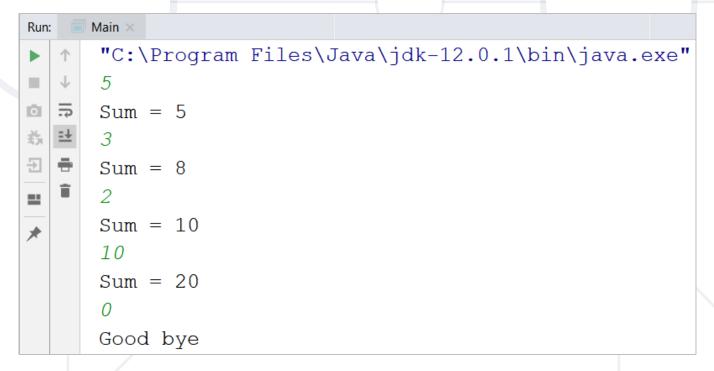


Problem: Sum Numbers Until Stopped



 Write a program to continuously read integers from the console and print their sum until 0 is entered

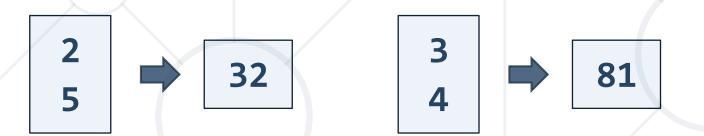




Problem: Power of Number



- Write a program to calculate n^p:
 - Read n (the number) and p (the power)
 - Print the result of n to the power of p
- Don't use Math.pow(), use loops

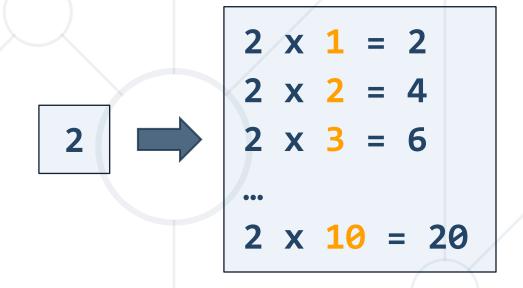




Problem: Multiplication Table



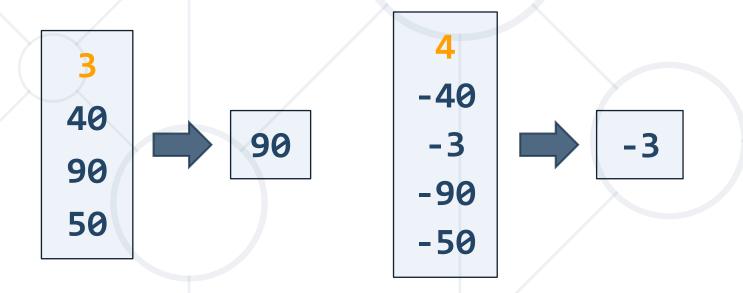
- Print a multiplication table of size 10 for given integer n:
 - Read an integer n
 - Print n's multiples in the format "{n} x {i} = {result}" for each i in the range [1...10]

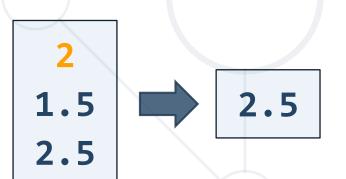


Problem: Biggest Number



- Write a program to find the biggest among given n numbers:
 - Read n (the amount of input numbers) and n numbers
 - Find and print the biggest number

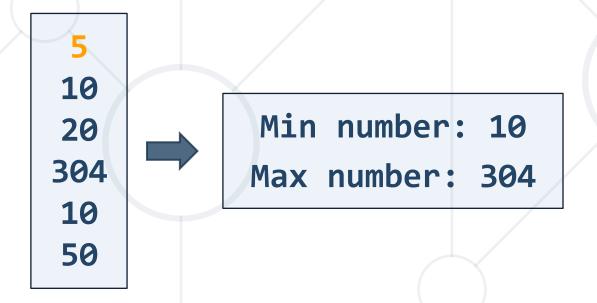




Problem: Min and Max Number



- Write a program to find the biggest and the smallest number
 - Read integer n: the count of numbers to be read
 - Read n integer numbers
 - Find and print the min and the max number



Problem: Vowel Sum

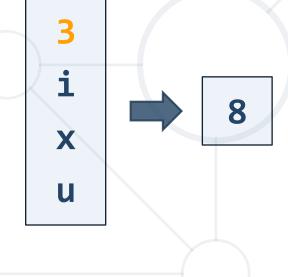


Write a program to sum n vowels, according to the table below:

character	a	е	i	0	u
value	1	2	3	4	5



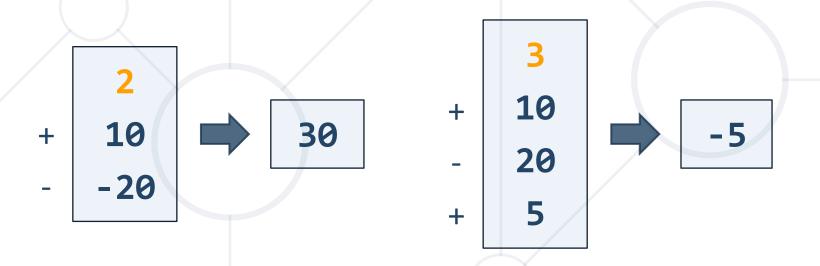
Read n characters and for each vowel adds
 its value to the result



Problem: Zig Zag Sum



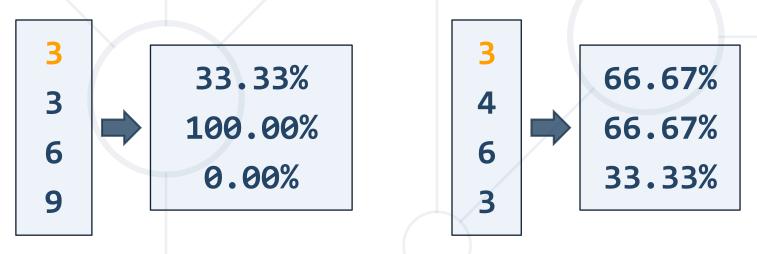
- Write a program to calculate the zig-zag sum for given numbers:
 - Read a number n, followed by n integers
 - For every odd line add the number to the result
 - For every even line subtract the number from the result



Problem: Division to 2, 3 and 4



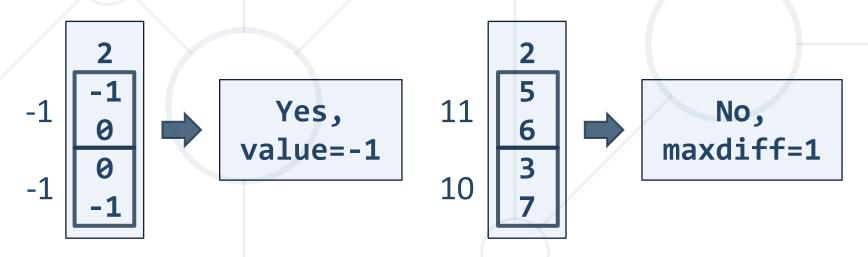
- Write a program to find statistics about division to 2, 3 and 4:
 - Read a count n and n integers
 - Find in percentages how many of these integers can divide without a remainder to 2, 3 and 4
 - Print the percentages, formatted to the second decimal digit



Problem: Equal Pairs



- Write a program to check the sums of pairs for differences:
 - Read an integer n (n > 1) and n pairs of numbers
 - Print "Yes, value={sum}", if the sum of all pairs is the same
 - Otherwise, print "No, maxdiff={diff}", where diff is the maximal difference in the sum between two sequential pairs



Next Steps



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