1)Write a program that sums a sequence of integers. Assume that the first integer read with scanf specifies the number of values remaining to be entered. Your program should read only one value each time scanf is executed. . Read values until "-1".

Sample inputs/outputs

>5 100 200 300 400 500 -1

where the 5 indicates that the subsequent five values are to be summed.

>1500

2) Write a program that calculates and prints the maximum two integer number. Read values until

"-1".

Sample inputs/outputs

>10 8 11 7 9 9999 -1

>9999 11

LAB2

1-) A palindrome is a number or a text phrase that reads the same backward as forward. For example, each of the following five-digit integers is a palindrome: 12321, 55555, 45554 and 11611. Write a program that reads in a five-digit integer and determines whether or not it is a palindrome. If the number is a palindrome, programs prints 1 otherwise program prints 0.[Hint: Use the division and remainder operators to separate the number into its individual digits.]

Sample inputs/outputs

>12321

>1

>12345

>0

2-) Write a program that estimates the value of the mathematical constant e by using the formula:

$e^x = 1 + x^1/1! + x^2/2! + x^3/3! + ... + x^n/n!$

Take the number of terms in series from the user.

Hint : Use while and if structures, continue calculation for terms in series.

Sample Input format: x n

Sample Output format: calculated e^x with 2 precision %.2f