Kotlin Assignment

(Try and make use of string templates, range, conditionals and such features from kotlin in your code)

1) If…else

a) Write a condition to check if the given number is Positive or negative
b) Write a kotlin program to find maximum between three numbers.
c) Return absolute value of the given argument.
d) Write a kotlin program to check whether a number is divisible by 5 and 11 or not.
e) Write a kotlin program to check whether the triangle is equilateral, isosceles or scalene triangle.
f) Write a kotlin program to check whether a character is alphabet or not.

2) Loops *(Try to solve each with while, do…while and for loop)*

a) Find factorial of the given number
b) Calculate and print sum of factorials
E.g.: SumOfFactorials(3) // !1+!2+!3 = 9
c) Calculate and print sum of all Even numbers
d) Print out half pyramid of given height
E.g.:
n=4
#
##
###
####
e) Write a kotlin Program to Check if given three-digit number is an Armstrong Number
Eg: 153 = (1*1*1)+(2*2*2)+(3*3*3)
f) Write a kotlin Program to Check if given n-digit number is an Armstrong Number
Eg: abcd… = $a^n + b^n + c^n + d^n + ….. + n^n$