



TASKS

SESSION ONE



Task 1

1. Calculator: ADD, SUB, MUL, DIV

2. Receive the first name and last name from user using readLine() then print the full name



Task 2

1) Write a program to print the following patterns:

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Task 3

- 1) Declare a variable anyValue of type Any and assign it a value of 10. Use type casting to convert anyValue to an Int and store it in a new variable intValue. Print the value of intValue to the console.**
- 2) Declare a nullable variable text of type String? and assign it a value of null. Use a safe call operator to print the length of text if it is not null. Assign a non-null value to text and print its length again.**



Task 4



Create a string transformer function using higher-order functions in Kotlin. This function should accept a string (or a list of strings ***Bouns**) and a transformation function as parameters. The transformation function will define how the string(s) should be modified.

Implement the following transformation functions:

1. Capitalize First Letter: Capitalizes the first letter of each word in the string.
2. Reverse String: Reverses the characters in the string.
3. Add Question Mark: Appends a question mark (?) to the end of the string.



HINT: USE STRING BUILT IN FUNCTIONS