



FACULTY OF ENGINEERING

Department of Telecommunications and Electronics Engineering



PRACTICE WITH USER INPUT

Basic Java Course

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1 SIMPLE ARITHMETIC OPERATIONS

Write a program where user can input two integer variables and perform the following operations: addition, subtraction, multiplication, and division. Print the results.





2 AREA OF A RECTANGLE

Write a program to calculate and print the area of the rectangle using the formula: $\text{area} = \text{length} * \text{width}$. (User input is a requirement)





3 SWAP TWO VARIABLES

Write a program to swap the values of two integer variables and print the values before and after swapping using user input.





4 CHECK EVEN OR ODD

Write a program to check whether the number is even or odd using an if-else statement and print the result using user input





5 FIND THE LARGEST NUMBER



Write a program to find and print the largest of the three numbers using if-else statements with user input.





6 GRADING SYSTEM

write a program to assign a grade based on the value of score using if-else statements and user input. Below is the score requirement for each:

- 90 and above: A
- 80-89: B
- 70-79: C
- 60-69: D
- Below 60: F





7 SUM OF FIRST N NATURAL NUMBERS



Write a program to calculate and print the sum of the first N natural numbers using a for loop with user input.





8 FACTORIAL CALCULATION



calculate and print the factorial of n using a for loop with user input





9 FIBONACCI SEQUENCE



Write a program to print the first N numbers of the Fibonacci sequence using a for loop using user input.



END



THANK YOU



FOR YOUR ATTENTION