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/* Experiment No:- 5-2
Title      :-WAP to find the factorial of a number using recursive function
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#include <stdio.h>

// Recursive function to calculate factorial
int recursionFactorial(int a) {
    if (a == 0 || a == 1) {
        return 1;
    }
    return a * recursionFactorial(a - 1); // Recursive case
}

int main() {
    printf("\t\t\t\t\t*****Get a Factroial using Recurisive Function*****\n");
    int a, res;

    printf("Enter Non-negative integer:");
    scanf("%d", &a);

    if (a < 0) {
        printf("Factorial is not defined for negative integers.\n");
        return 1;
    }
    // Function call
    res = recursionFactorial(a);

    printf("Factorial of %d = %d\n", a, res);

    printf("Thank you for using the Factorial Calculator\n");

    return 0;
}

/* output
*****Get a Factroial using Recurisive Function*****
Enter Non-negative integer:6
Factorial of 6 = 720
Thank you for using the Factorial Calculator*/

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