**5. Write a C program to find Factorial of a given number using Recursion**

#include <stdio.h>

int factorial(int n) {

if (n == 0 || n == 1) // base case

return 1;

else

return n \* factorial(n - 1); // recursive call

}

int main() {

int n;

printf("Enter a number: ");

scanf("%d", &n);

printf("Factorial = %d\n", factorial(n));

return 0;

}

**Output**

