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**COURSE NAME : DATA STRUCTURES FOR MODERN COMPUTING SYSTEMS**

**COURSE CODE : CSA0302**

**7.** **WRITE A C PROGRAM TO PERFORM FACTORIAL WITH RECURSIVE FUNCTION**

**C PROGRAMMING CODE:**

#include <stdio.h>

int fact(int n) {

if (n == 0) return 1;

return n \* fact(n - 1);

}

int main() {

int n;

printf("Enter a number: ");

scanf("%d", &n);

printf("Factorial = %d", fact(n));

return 0;

}

**OUTPUT:**

