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

#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("%d! = %d\n", n, fact(n));

return 0;

}