Experiment-5 : Factorial Using Recursion

5.Write a C Program To Find Factorial Using Recursion.

Code :

#include <stdio.h>

int factorial(int n) {

if (n == 0) {

return 1;

} else {

return n \* factorial(n - 1);

}

}

int main() {

int num;

printf("Enter a number: ");

scanf("%d", &num);

if (num < 0) {

printf("Factorial of negative numbers is not defined.\n");

} else {

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

}

return 0;

}

Output :

