* C program to find the factorial of a number using a recursive function ?
* #include <stdio.h>
* long long factorial(int n)
* {
* if (n == 0)
* return 1;
* else
* return n \* factorial(n - 1);
* }
* int main()
* {
* int num;
* printf("Enter a positive integer: ");
* scanf("%d", &num);
* printf("Factorial of %d = %lld", num, factorial(num));
* return 0;
* }

Enter a positive integer: 20

Factorial of 20 = 2432902008176640000

PS C:\Users\HP\Desktop\coding>

* C program to find largest of three numbers in all methods?
* #include <stdio.h>
* int largestArithmetic(int a, int b, int c) {
* int d = a - b;
* int e = c - b;
* if(d \* e >= 0) {
* return b;
* } else {
* return a > c ? a : c;
* }
* }
* int largestConditional(int a, int b, int c) {
* return a > b ? (a > c ? a : c) : (b > c ? b : c);
* }
* int largestLogical(int a, int b, int c) {
* return a > b && a > c ? a : b > c && b > a ? b : c;
* }
* int main() {
* int a, b, c;
* printf("Enter three numbers: ");
* scanf("%d %d %d", &a, &b, &c);
* printf("The largest number using arithmetic approach is: %d\n", largestArithmetic(a, b, c));
* printf("The largest number using the conditional operator is: %d\n", largestConditional(a, b, c));
* printf("The largest number using a logical operator is: %d\n", largestLogical(a, b, c));
* return 0;
* }

Enter three numbers: 10 20 30

The largest number using arithmetic approach is: 30

The largest number using the conditional operator is: 30

The largest number using a logical operator is: 30