

```
#include<stdio.h>

long int multiplyNumbers(int n);

int main() {

    int n;

    printf("Enter a positive integer: ");

    scanf("%d",&n);

    printf("Factorial of %d = %ld", n, multiplyNumbers(n));

    return 0;

}

long int multiplyNumbers(int n) {

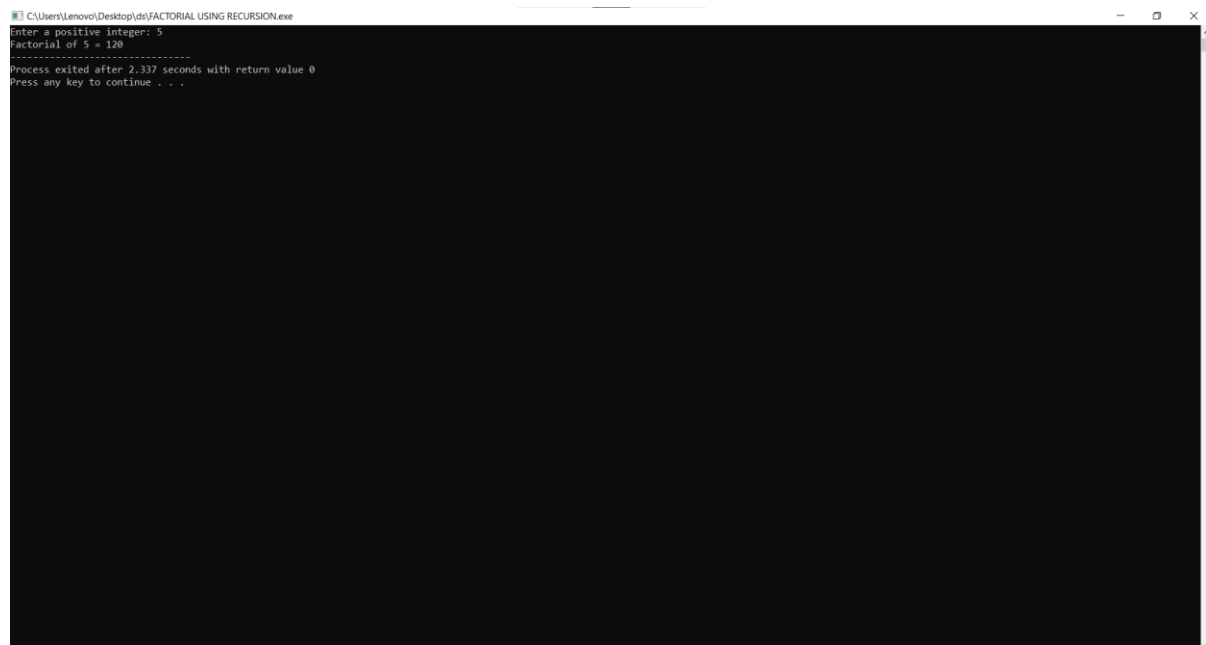
    if (n>=1)

        return n*multiplyNumbers(n-1);

    else

        return 1;

}
```



```
C:\Users\Lenovo\Desktop\dfs\FACTORIAL USING RECURSION.exe
Enter a positive integer: 5
Factorial of 5 = 120
-----
Process exited after 2.337 seconds with return value 0
Press any key to continue . . .
```