

recfact.c

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oddarray.c

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matrixmul.c

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```
#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;
}
```

```
da@da-HP-ProDesk-400-G1-SFF: ~/Desktop
da@da-HP-ProDesk-400-G1-SFF:~$ cd Desktop
da@da-HP-ProDesk-400-G1-SFF:~/Desktop$ cc recfact.c
da@da-HP-ProDesk-400-G1-SFF:~/Desktop$ ./a.out
Enter a positive integer: 5
Factorial of 5 = 120da@da-HP-ProDesk-400-G1-SFF:~/Desktop$
```