Input:

```c
#include<stdio.h>

void factorial(int n,int fact){
    if(n == 0){
        printf("Factorial of 5 is %d", fact);
        return ;
    }
    else{
        fact = fact * n;
        return factorial(n-1,fact);
    }
}
int main(){
    int fact = 1;
    int n = 5;
    factorial(n,fact);
    return 0;
}
```

Output:

```
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\DELL\OneDrive\Desktop\Computer Programming Lab\CP LAB 4> cd "c:\Users\DELL\OneDrive\Desktop\Computer Programming Lab\CP LAB 4\" ; if ($?) { gcc problem2.
c -o problem2 } ; if ($?) { .\problem2 }
Factorial of 5 is 120
PS C:\Users\DELL\OneDrive\Desktop\Computer Programming Lab\CP LAB 4>
```