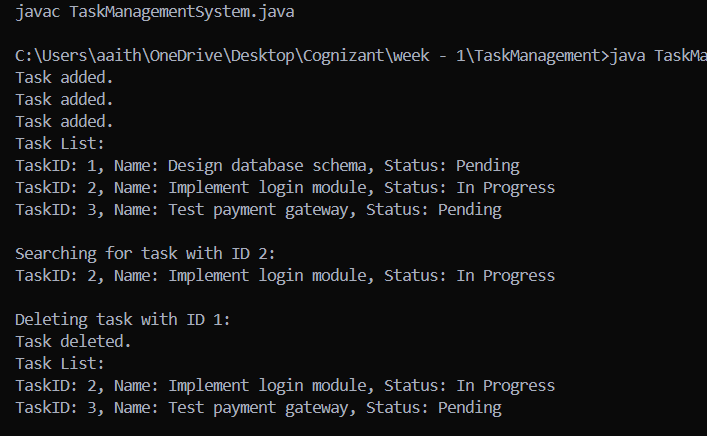
**Output**

****

The code has been Hard-Coded For Simpler understanding