

**DEPARTMENT OF COMPUTER SCIENCE, UBIT**

CLASS: BSCS – A

COURSE: THEORY OF COMPUTER SCIENCE (BSCS-501)

**LAB ASSIGNMENT:**

Implementation of Deterministic Finite Automata (DFA)

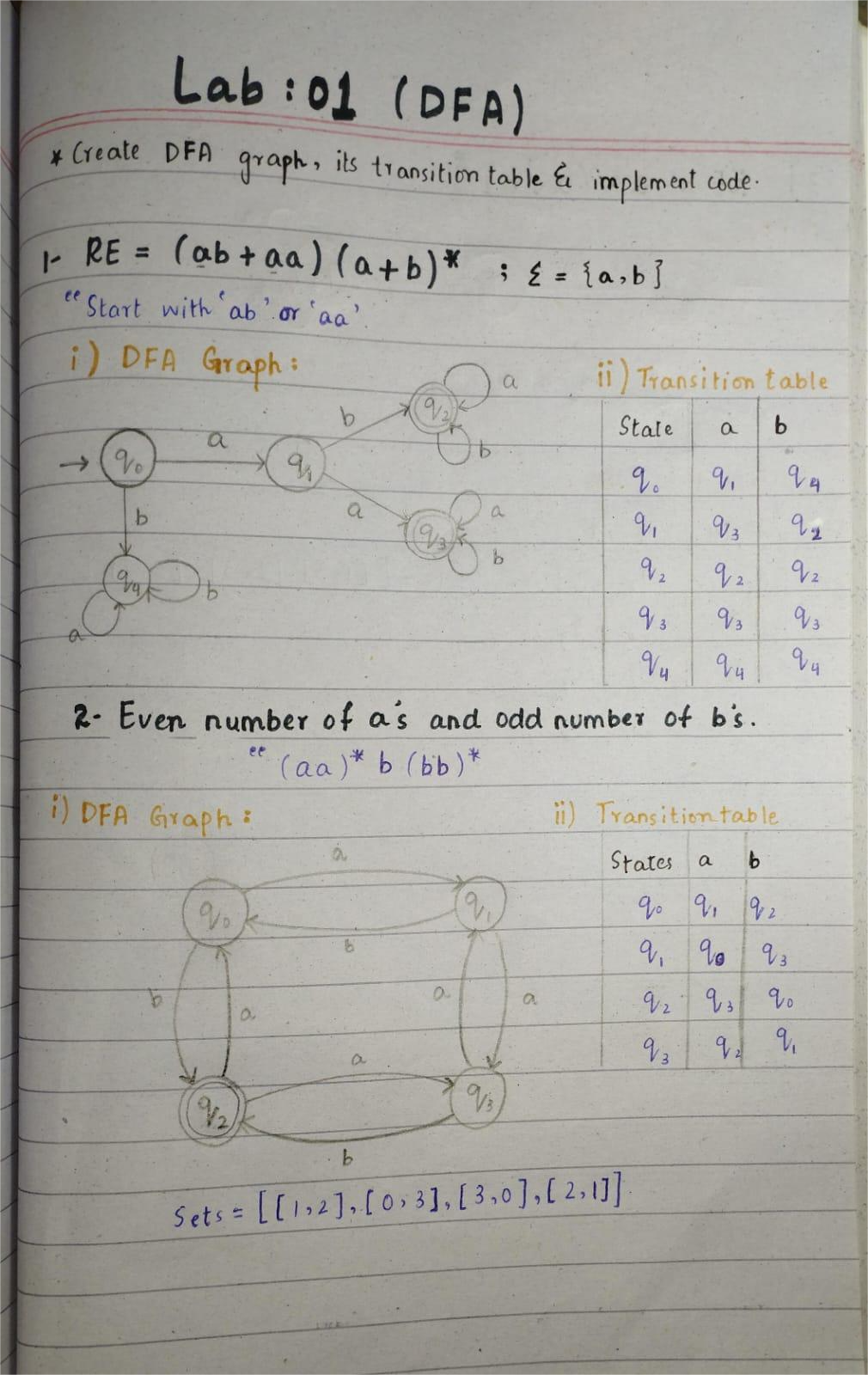
**SUBMITTED BY:**

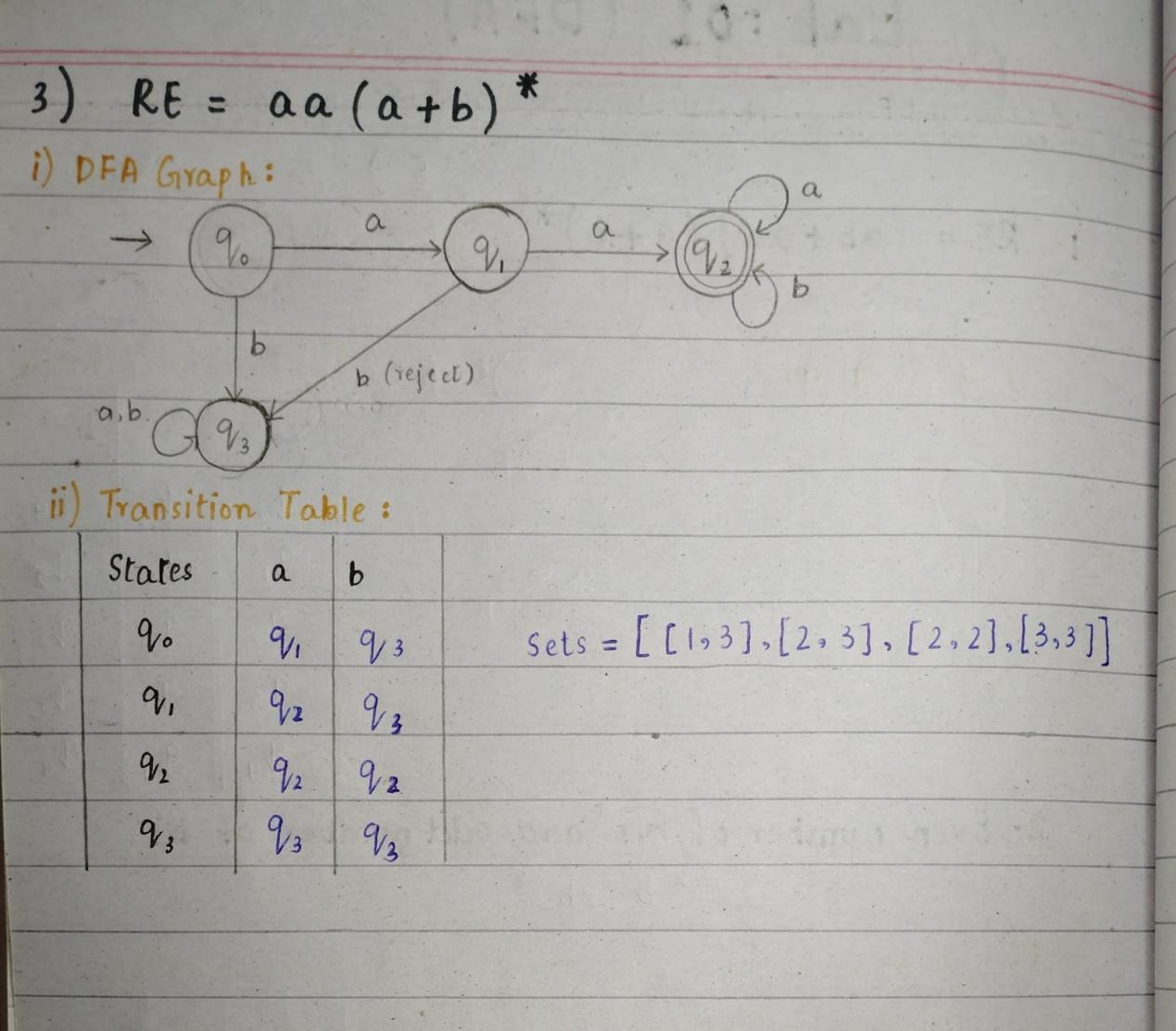
Aliza Khan (B22110006017)

**SUBMITTED TO:**

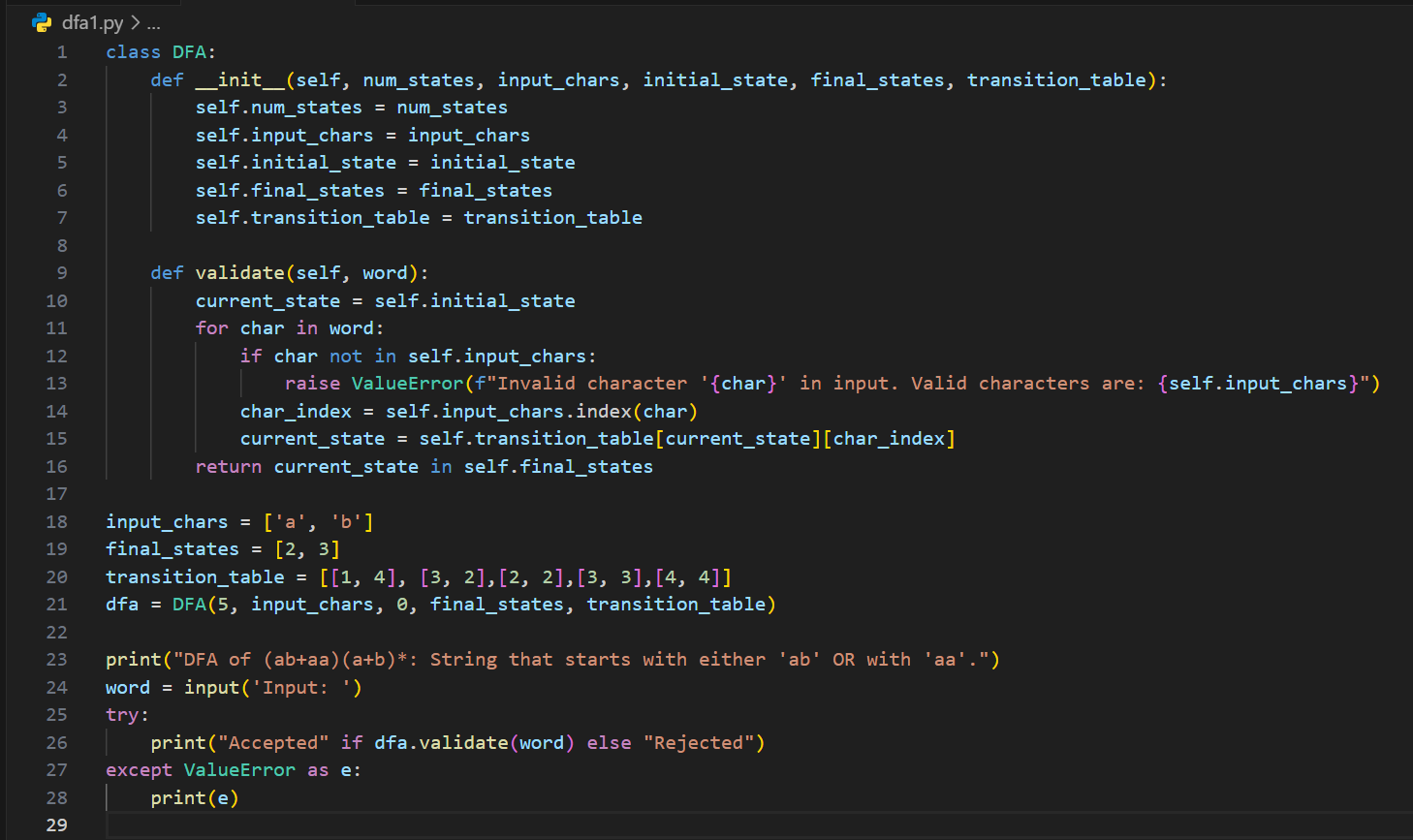
Sir Muzammil Jethwa

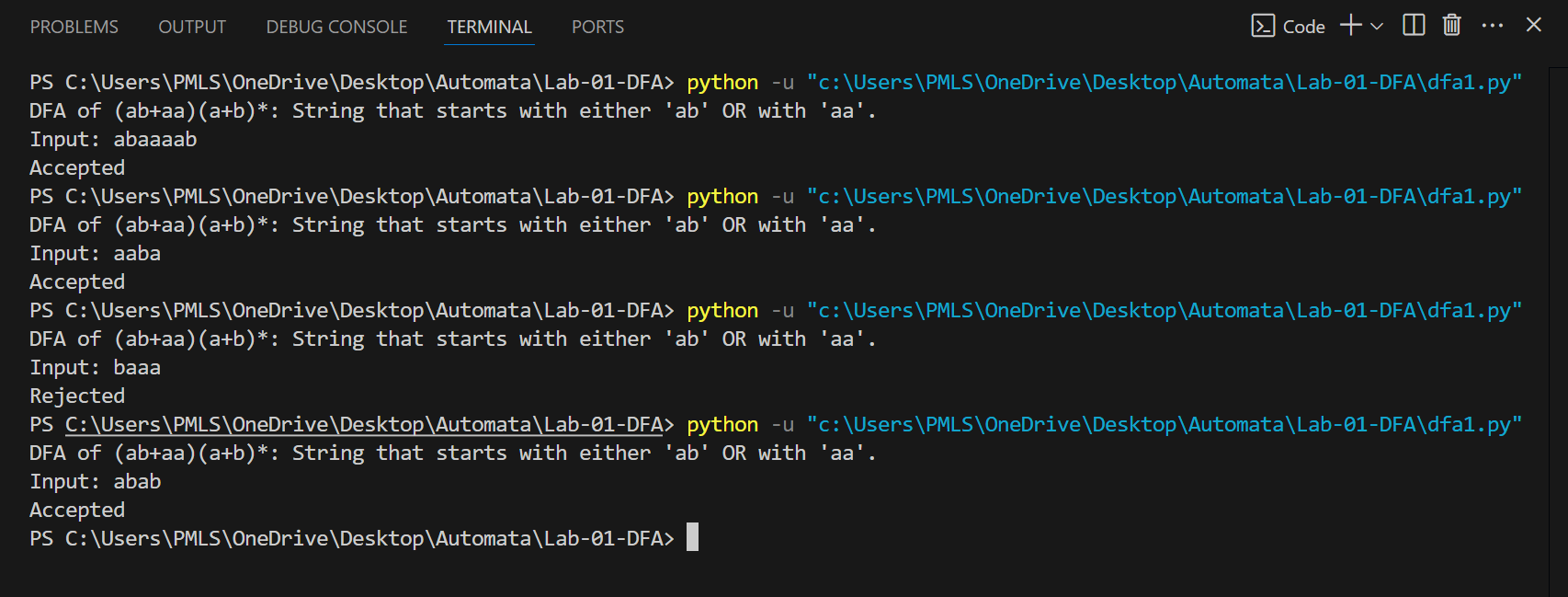
**DFA Graph & Transition Table**

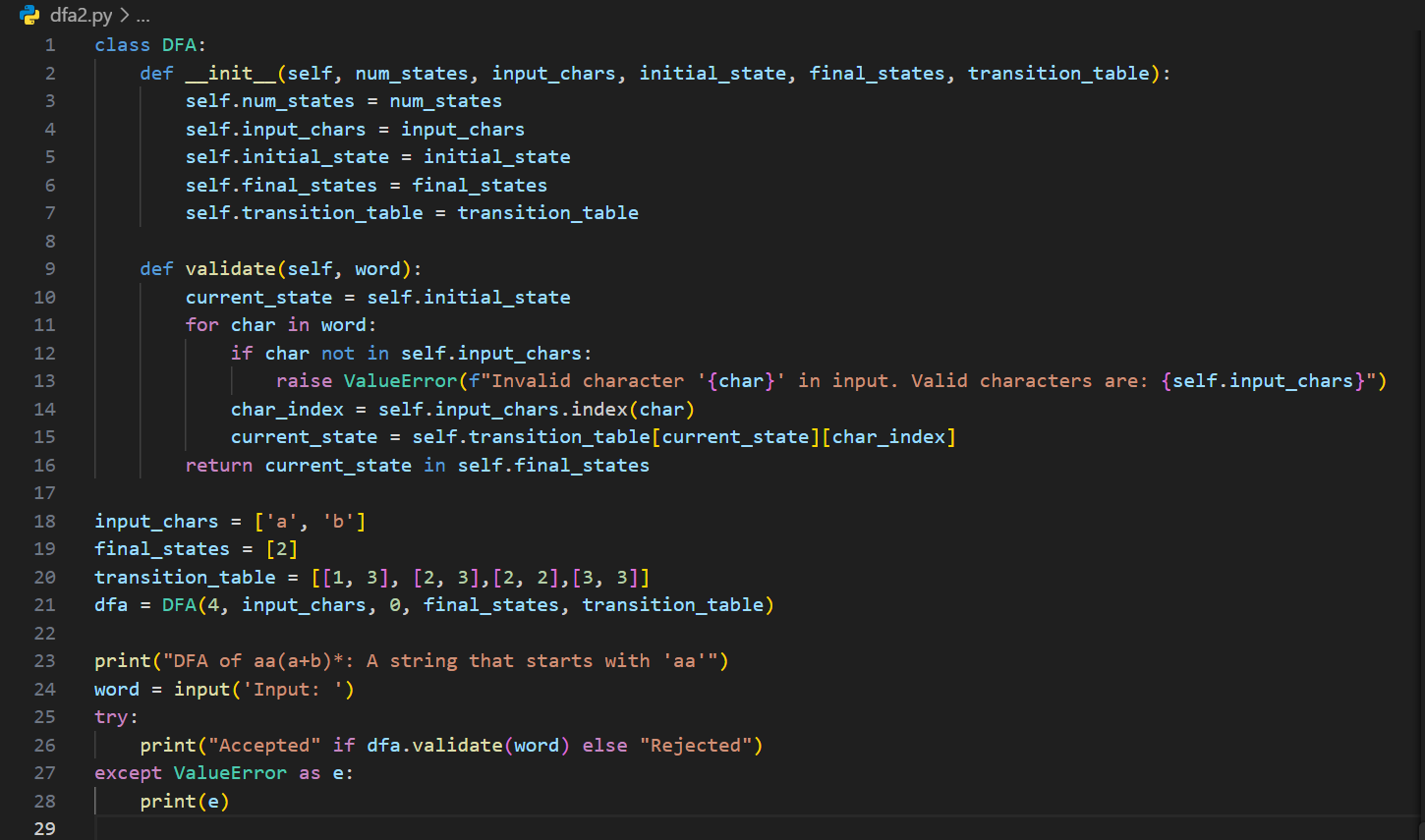
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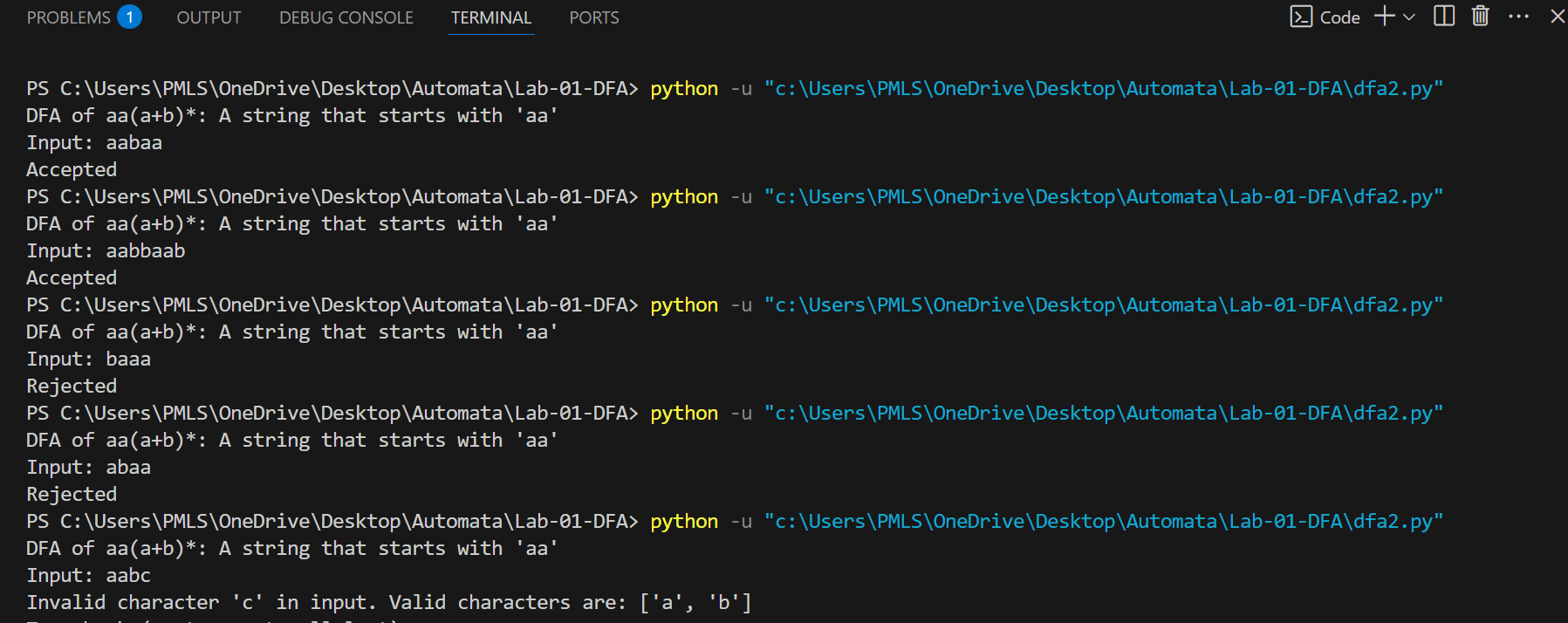
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**DFA Code Implementation**

1. **(ab+aa) (a+b)\***



1.  **aa (a+b)\***



1. **Even Number of a’s and Odd Number of b’s**

