Assignment 1

Given $\sum = \{0,1\}$:

1. write a RE for strings with odd 0s or odd 1s. (2 marks)
    1. Reasoning (1 mark)
    2. RE (1 mark)

2. build a DFA for all strings that do not contain 010. (4 marks)
    1. RE and reasoning (2 mark)
    2. DFA (2 marks)

Submission

- A single PDF file with any form
  - Student number_name_asg1.pdf (no space), e.g., 张三_123456_asg1.pdf
  - clear photos and screenshots are acceptable
- Send your PDF to dcs290_cs2_sysu@163.com by 2023.03.16