

## Hands-on 2

1. Recall the naming layers of the UNIX FS (v6), and answer the questions below:
  - Q1: Is file name a part of a file? Data or metadata?
  - Q2: What is the actual content of a directory? Size?
2. Record the OPEN/READ/CREATION implementation in lec03, and answer the questions below:
  - Q1: How many read and write in a OPEN?
  - Q2: How many read and write in a READ?
  - Q3: How many read and write in a CREATION?
3. Can you give a design to optimize the READ operation?
4. Can you give a design to optimize the CREATION operation?

Upload **[your student id]-handson2.pdf** file to  
**ftp://SJTU.Ticholas.Huang:public@public.sjtu.edu.cn/upload/cse/Handson-2/**  
before the deadline.