

# JAVA LAB-2

## I/O FORMAT

- Mob  
Mob  
:  
Mob

} Can be any  
# of digits

O

→ Delimiter

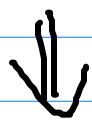
S Year ID Amt.  
Y Year  
C Mob  
:  
:  
:  
E

} Explained  
in  
PDF

→ Delimiter

- You have to print a number in a new line every time a Y or a C is encountered

Eg Y 2017



$$\sum_{\substack{\text{all transactions} \\ t}} \{t.\text{value} \mid t.\text{year} = 2017\}$$

Note Print 0 if Year

does not exist  
in our context.

Eg C 1234  
↓

$$\sum_{\substack{\text{all transactions} \\ t}} \{t.\text{value} \mid t.\text{phone} = 1234\}$$

Note Print 0 if  
Mob. no. does  
not exist in  
our context.

- Total no. of lines  
printed = # of  $Y$  +  
# of  $C$

-  $S_s$ ,  $Y_s$ ,  $C_s$  can come in  
any order but all  
of them will be  
after  $O$  and before  
 $E$ .