Agenda Code Parkinglot

Main()
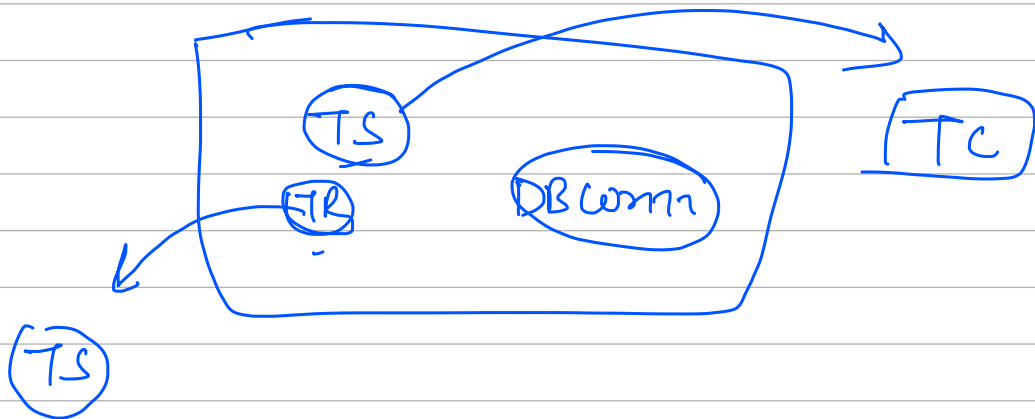{
    TicketController tc = new TC(N)

    TicketService TS = new TS()

    TicketRepo TR = new TR()
}

Object Container   Spring IOC

TS   TC

TR   DBconn

TS

Map < String, Object >
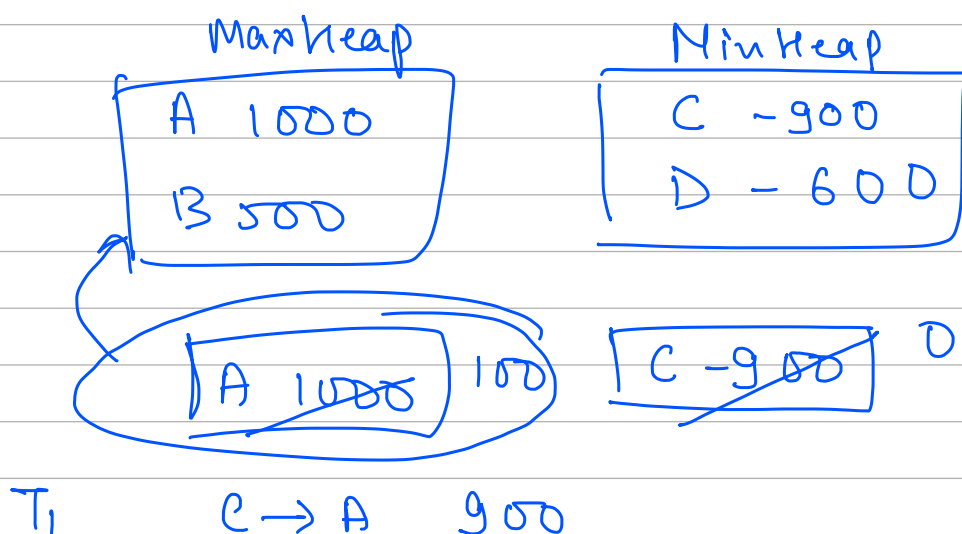
register() {
    map.put("TR", TR);
}

get(String key)
{
    map.get(key);
}
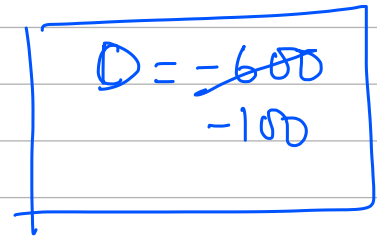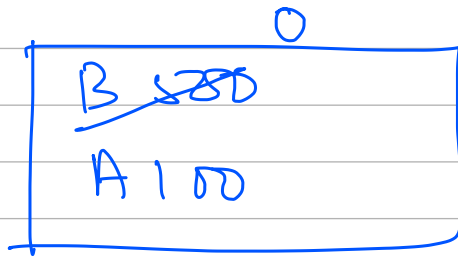
Settleup Algo

List< Expense >

1) Calculate extra money

Extra = Total Amount Paid across all expenses
money   − Total amount Had to pay across
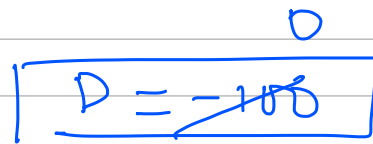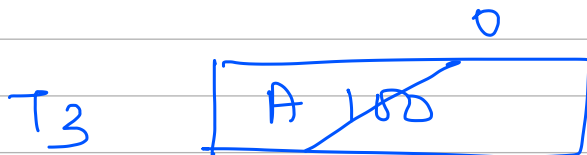   all expenses

Map (A, Paid++
        Had to pay--);

2) Heaps → Min Heap [− ve bal]
           Max Heap [+ ve bal]

3) loop over heap and keep
        transactions

Max Heap	Min Heap
A 1000	C −900
B 500	D − 600

[A 1000] 100   [C −900] 0

T₁   C → A   900

B 500
A 100

D = -600
-100

T_2 D → B 500

T_3
A 100

D = -100

D → A 100