**Pseudo Code**

Begin

Create shelf structure

input no of test cases

for each test cases:

input no of shelves:

input book counts of shelves

for each shelf:

Create new shelf node

Add shelf data

input no of querries

for each querry:

input action(print or update):

if action = print:

input begin & end shelf numbers(for sorting)

input shelf rank to print

sort the shelf nodes between begin & end nodes and store sorted values seperately

for each shelf node:

if shelf number = rank:

print no of books in the shelf

else if action = update:

input finding shelf no and replacing no of books

for each shelf node:

if shelf no = finding shelf:

Update the no of books

End

**Test Cases**

