

## Exam

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Q1 : Assume you have *BookStore* Class showed in UML Diagram[ 2 marks for each ]:

BookStore
- names : String [ ] - price : int [ ] - pages : int [ ] - nbBook : int
+ BookStore( int size ) + isFull ( ) : boolean + insert ( String na , int pr , int pa ) : boolean + delete ( int index ) : boolean + countMore300Pages ( ) : int + updatePrice ( String n , int x ) : boolean

### Just Example :

Names[ ]	Math	Java	History	Java		
Price [ ]	50	120	100	150		
Pages [ ]	130	360	400	70		

NbBook = 4

a) Write `BookStore( int size )` set size of arrays to size and nbBook to 0

.

b) Write `insert` method that **return** true if the book added or false if not.

c) Write `delete` method that receive index of the book which will be deleted. (Check if index correct or not) and **return** `true` if deleted or `false` otherwise.

d) Write `countMore300Pages` method that will **return** number of book that has more than or equal 300 pages.

- e) Write update price method that **add** ( x ) to price of each book has name ( n ). ( x ) and ( n ) will come as parameters. **Return** true if you update at least one book.

Q2 ) write main class that use BookStore Class[ 2 marks for each ]:

- f) Create KSUBookStore with size 5.
- g) Insert 2 books. Information of these books **entered by user**.
- h) **Display** how many book +300 pages.

```
import java.util.Scanner;
```

```
public class main {
```

```
    public static void main(String[] args) {  
        Scanner read = new Scanner(System.in);
```

```
    }  
}
```

