

# APCS – Mr. Ascione

## SimpleShow

**OBJECTIVE:** This lab was designed to teach you how to use a matrix, an array of arrays.

**SPEC:** Read the comments for each method in SimpleShow.java. We will be implementing a simplified version of a Concert Hall program... hence the name Simple Show. Our AP Concert Hall has just 5 seats per row and 10 rows by default – yet it is also flexible enough to accommodate virtually any size rectangular concert hall.



### Ticket Prices:

- \$40 for the first 5 rows
- \$20 for the rest

### SAMPLE OUTPUT:

#### Files Needed:

SimpleShow.java

SimpleShowRunner.java

```
C:\Windows\system32\cmd.exe
AP Concert Hall - Simplified
X      X      X      0      X
X      X      X      0      X
0      0      X      0      0
0      0      X      0      0
0      0      X      0      0
0      X      0      0      0
0      0      0      0      0
0      0      0      0      0
0      0      0      0      0
0      0      0      0      0
0      0      0      0      0

Seats Still Available: 40
Total Revenue: $380
```