

CMSC131, UMCP, Hourglass Exercise

Step 1: Implement a Java Program (all code in the main method) that prints an hour glass diagram based on a number and a character provided by the user. To read a character, use the following code fragment where **scanner** is a Scanner object:

```
char symbol = scanner.next().charAt(0);
```

```
Enter size: 4
Enter character: *
*****
*****
****
**
**
***
*****
*****
```

```
Enter size: 6
Enter character: $
$$$$$$$$
$$$$$$$$
$$$$$$$$
$$$$$$$
$$$$$
$$$
$$
$
$$$
$$$$$
$$$$$$$
$$$$$$$$
$$$$$$$$
$$$$$$$$
```

Step 2: Now make the a second version of the program where there is a static method called **getHourGlass** that returns a string representing the hour glass. The method will have as parameters the size and the character to use. Write a driver (with a main) to call this method.