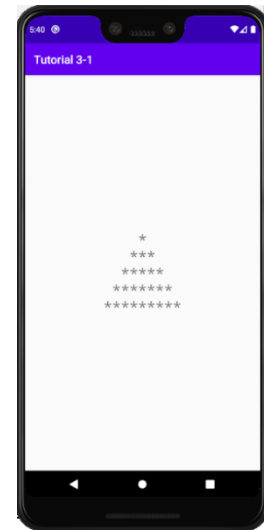# Mobile App Development

Tutorial Assignment 3

Exercise 1 (Simple Java Android app)

Create a Triangle app to output a 5-row triangle of asterisks, where each row contains an odd number of asterisks (1, 3, 5, 7, and 9):


```
    *
   * * *
  * * * * *
 * * * * * * *
* * * * * * * * *
```

Please use the *monospace* font in the *FontFamily* property of the *TextView*. Please use the *Match Constraints* feature to display asterisks in a center of the screen.

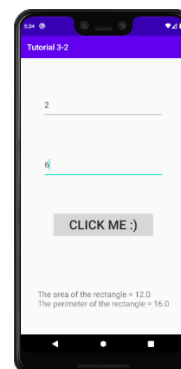Run this app on the Android physical / virtual device.

Exercise 2 (Simple Java Android app with integer expressions)

Write an app that reads the height and width of a rectangle as integers from the console and then calculates and prints

(i) the area of the rectangle, and

(ii) the perimeter of the rectangle.

Please use the *Match Constraints* feature to display the text with the result in a center of the screen.

Run this app on the Android physical / virtual device.

To develop the above-stated apps, please use the instructions written in 1st, 2nd, and 3rd presentations.