

# CMPE 261: Large Scale Programming

## Worksheet 4B

Istanbul Bilgi University

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### **Part I**

Create UI elements to take string input from user.

### **Part II**

Print and animate the given string in two dimensions, i.e. horizontal and vertical. Write conditions to prevent the string disappearing from the frame. The string can bounce back when it hits the border.

### **Part III**

Write three different method to change the string style and its animation.

### **Part IV**

Create MenuBar for the written methods.

**Note: Do not compress your files, submit java files and screenshots of your program.**

**Note: Do not forget to justify your answers with comments. The codes without comments will not be evaluated.**