

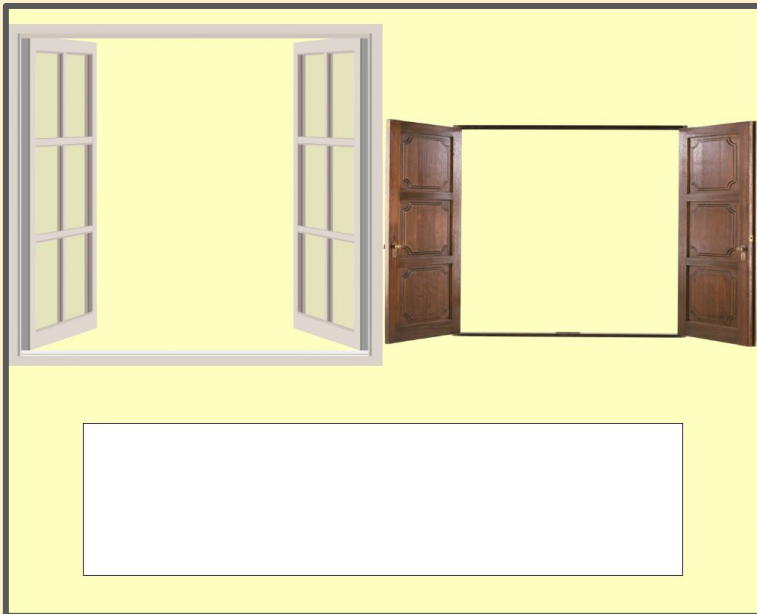


## Grade 6 - Unit 2 - For Loops & Arrays

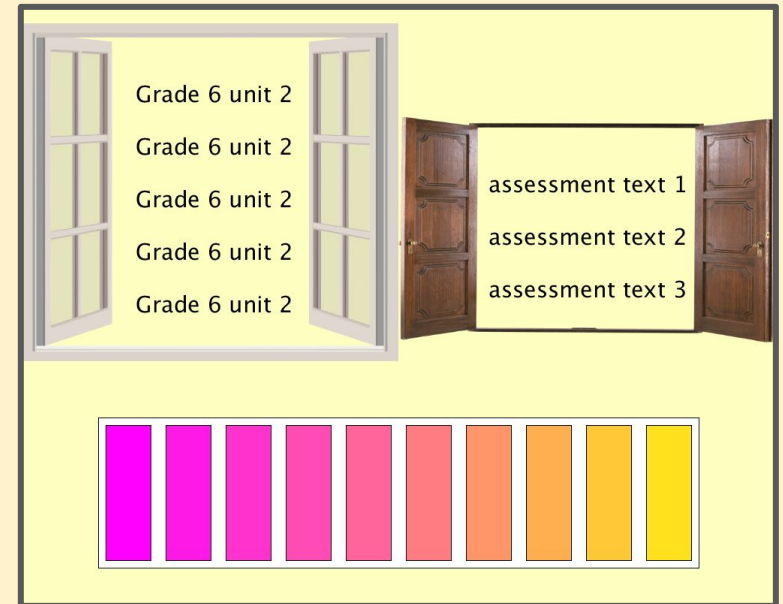
You are required to recreate the project below. There are 4 parts to this project

You will need to download the base code to be able to do this project. [Link here](#) and instructions will be on the next page

Base Code



Completed Assessment





## Grade 6 - Unit 2 - Instructions

### Part 1 (left window)

1. Using a **for loop**, draw the sentence (picture on previous page) 5 times within the space of the left window

### Part 2 (right window)

1. There is a text file in this project called “**text.txt**” that contains 3 sentences. Load this file into a **string array** and using a **for loop**, draw these sentences within the space of the right window

### Part 3 (bottom bar)

1. Using a **for loop**, draw rectangles within the area of the rectangle (10 rectangles) where the color shifts from pink to orange evenly.

### Part 4 (not on screen)

1. Make an array and using a for loop, populate the array with all the numbers between 50-90
2. Using a second for loop, print out every third number



## Grade 6 - Unit 2 - Marking Scheme

Below you will find the marks breakdown for the assessment

### **Marking Criteria**

<b><u>Marks</u></b>	<b><u>Description</u></b>
10	<i>Correct syntax of a for loop for part 1</i>
10	<i>For loop prints out the sentence more than once for part one</i>
20	<i>Sentences are printed in the correct position for part 1</i>
10	<i>String array loads in the text file</i>
10	<i>All sentences are printed out from the text file</i>
10	<i>Sentences are printed in the correct format for part 2</i>
10	<i>For loops draws the rectangle correctly (colour not needed for this)</i>
10	<i>Colour changing correctly for the rectangles</i>
10	<i>completed part 4 (5 marks each step)</i>
<b>100</b>	<b>TOTAL</b>