

Advanced Placement Computer Science

Unit 10 – Strings

Each unit, you will have an assignment that includes some reading, some questions from the reading, called Review Exercises, and between one and three programming exercises.

Calendar of Meeting Places for January

3	4	5 <u>Class</u> Lesson 10.1 and String CodingBat	6 <u>Asynchronous</u> <u>Wednesday</u> Work on String 1 CodingBat	7	8 <u>Class</u> Lesson 10.2 and Unit 10 Programs	9
10	11	12 <u>Lab</u> Unit 10 Programs	13 <u>Asynchronous</u> <u>Wednesday</u> Work on String 1 CodingBat	14	15 <u>Lab</u> Unit 10 Programs	16
17	18 <u>MLK</u> <u>Day</u>	19 <u>Lab</u> Complete Unit 10 Programs	20 <u>Asynchronous</u> <u>Wednesday</u> Work on String 1 CodingBat	21	22	23

Assignment Type	Description
Reading	Java Methods – Chapter 10
Homework Exercises	<u>Programming</u> JavaBat Programming Assignments Please see JavaBat schedule for due dates

Program #1

Exploring with the String class methods

You are to do the following CodingBat String1 methods (**in addition to the required String1 methods**). These are meant to explore the use of the methods of the String class that you are expected to know.

Method Name	String methods that you might use.
1. makeTags	No methods needed. You will explore concatenation.
2. firstTwo	substring, length
3. extraEnd	substring, length
4. hasBad	substring, length, equals, indexOf
5. seeColor	substring, length, equals, indexOf

Program #2

Magpie Chatbot Labs

You will be doing a series of 4 labs that have you modify a Chatbot. This series of labs will have you explore the use of Strings in java. The String class is a very important class because it allows programs to work with text. All text that you see in any computer program is held in a String variable.

These files can be found on my website.