AP Computer Science Principles
Ticket Out the Door
Set 25: String Operations

Name _____ Period _____

Skill 25.1 Exercise 1
(a) Create a String variable "s2" and initialize it to "The population of Boise is ".
(b) Create another variable called "people" and initialize it to 250000.
(c) Concatenate these variables into a String called report.
(d) Print report. The printout should yield, The population of Boise is 250000

Skill 25.2 Exercise 1
Declare and initialize a variable "p" to "Groovy Dude".
Declare and initialize a variable "n" to the number characters in "p"

Skill 25.3 Exercise 1
You need to write a program that generates usernames for students at Timberline. The usernames will use the following convention: FirstInitial + LastName. You are provided the first name and last name of a student as shown below,
var firstName = "Lady";
var lastName = "Gaga";
Write code that could be used to create a username. Assign the username to a new variable called "username".

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Skill 25.4 Exercise 1
In the previous example you wrote code to create a username for a student. The usernames must contain only lowercase letters. Create a new String variable called usernameLower, then assign the reformatted username

Skill 25.4 Exercise 2
In addition to usernames, the students also need passwords. The default passwords must use the following convention: first letter first name + first letter lastname + 6 digit birthdate (EX: LG032886) Consider the following student information, Lady Gaga 03/28/1986 Write code that could be used to create a password. Assign the password to a new variable called "password".

Skill 25.5 Exercise 1

(a) Write code that will produce the following printout using only a single console.log statement,
       One
       Two
       Three

(b) Write code that will print the following to the console.   "Woo Hoo!" Note, the quotes must display when printed.

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Skill 25.6 Exercise 1	
| Refer to the code below to answer the following<br><br>```
var s = "\t\tLucky hocky puck\t\t";
var j = 6, z = 99;
``` | |
| ```
var p = s.charAt(j);
console.log(p);
``` | |
| ```
var p2 = s.charAt(z - 90);
console.log(p2);
``` | |
| ```
var p = s.charAt(s.length - 1);
p += s.charAt(s.length-2);
p += s.charAt(s.length-3);
p += s.charAt(s.length-4);
p += s.charAt(s.length-5);
console.log(p);
``` | |

Skill 25.7 Exercise 1	
| Refer to the code below to answer the following<br><br>```
var s = "\t\tLucky hocky puck\t\t";
var j = 6, z = 99;
``` | |
| ```
var str = s.trim();
console.log("+"+str+"+");
``` | |