AP Computer Science A
Summer Work
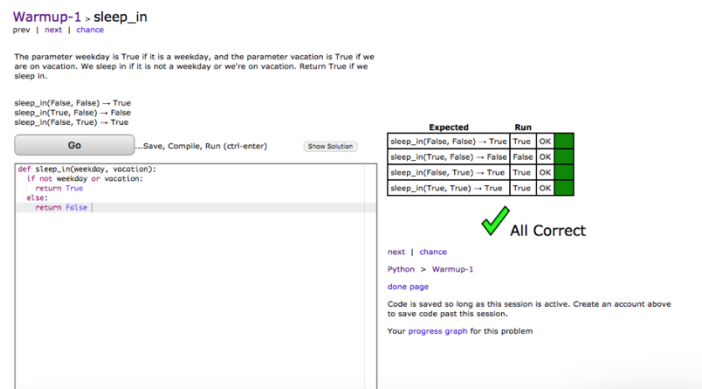# Ramapo-Indian Hills

This packet is required work for all students signed up for AP Computer Science A. It will be due soon after school starts in September.

There are two versions. You can pick one to complete. You do not have to do both.

- Python: For students who took Computer Science Honors or UP Computer Science for Engineers.
- Javascript: For students who took AP Computer Science Principles.

If you did not take either class, do the problems in the language that you are most familiar with. If you do not know either language, contact Mr. Caulfield at mcaulfield@rih.org.

For each problem, take a screenshot that includes your code and the green Coding Bat checks that show you got the problem right, like this:

The screenshots will be collected and graded. You can email your finished work to Mr. Caulfield at mcaulfield@rih.org over the summer, or turn them in on Schoology in September. You can also email if you have any questions.

Have a great summer!

Python version
For graduates of Computer Science Honors and UP Computer Science for Engineers

Do the following problems. Some of the problems have suggestions or hints. You can follow the hints, but you don't have to; any correct solution is fine.

1. getLetterGrade

2. computeSumOfEvenNumbers

3. lastDigit5

4. computeSumOfSquares

5. fizzBuzz

6. count3s

7. countEvensInList

8. first_last6

9. blackjack

10. majority

Javascript version

For graduates of AP Computer Science Principles

Do the following problems. Some of the problems have suggestions or hints. You can follow the hints, but you don't have to; any correct solution is fine.

1. sumDouble

2. posNeg

3. icyHot

4. intMax

5. stringTimes

6. arrayCount9

7. old35

8. firstLast6

9. makeMiddle

10. only14