

CS 161 Recitation

Worksheet: Week 3

1. Describe the difference between syntax vs. semantics
2. In the real world, when would you use/say each of these for solving a problem:
for, **while**, and **do/while loops**.
3. When do you use the following logical operators in your everyday life: **and**, **or**, **not**.
4. When would you use an **if** versus **switch**?
5. What is short circuiting and when is it useful?
6. Write a loop that will print out every multiple of 15 less than 158, and explain/justify why you picked the type of loop you did.
7. Is there an application for **while**, **for**, or **do-while** loops in Assignment 3?