



Primary Programming Essentials Lesson 5

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Quick Review

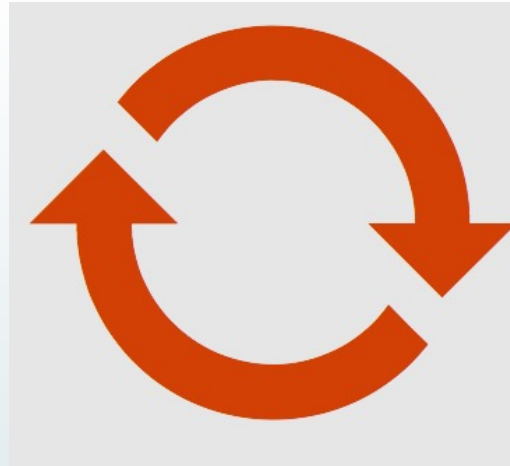
- We've covered a few things so far...
 - Variable declaration
 - Defining some data
 - Conditional Statements
 - Do this or that
 - Comparison
 - Is A equal to B?



Repetition



Repetition



- We want to computer to do something a bunch of times.
 - We can type it out, line by line, but we're lazy
- We use **loops** to repeat instructions.
 - The most common is the **for** loop



Repetition

- What's a **for loop**?

```
for (start; end; step) {  
    //code to repeat  
}
```

We will come back to this in our example



Repetitions in Real Life

- What are some things that you do over and over again, a **set number** of times?
 - Count the number of times you write “I will not stand on my desk” on the board
 - Wake up for school at 7:00am
 - Count the number of swim laps you’ve done
 - Count to 20 when playing hide-and-seek



Control Flow

Programming Activity!!

Let's start by making the computer count from 1 to 20
(as if it were playing hide-and-seek)



Control Flow

END