



## break and continue Keywords

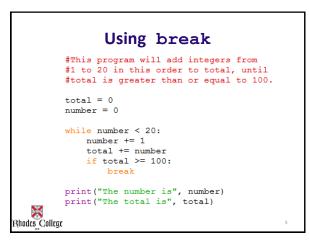
**break** – immediately terminate a loop (breaks out of loop)

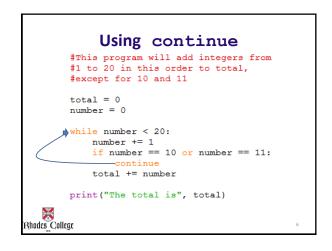
continue - ends the current iteration and goes to the end of the loop body (breaks out of iteration) Note: Typically used with while loops, but can be used in a for loop as well.

## Do not overuse!

Can make code difficult to read and debug!





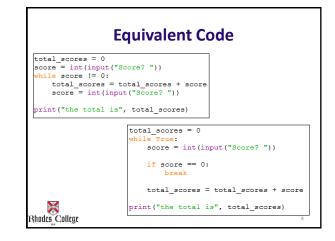


## Using Boolean Variables in Loops Given a positive integer n, assign True to prime if n has no factors other than 1 and itself. If at any time during the loop, you find a factor of n other than 1 or n, set value of prime to False and break out of the loop

(Remember, m is a factor of n if m divides n evenly.)

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## Practice

1. Write a program which repeatedly prompts the user for an integer. If the integer is even, print the integer. If the integer is odd, don't print anything. Exit the program if the user enters the integer 99.

2. Write a program which averages positive integers. Your program should prompt the user to enter integers until the user enters a negative integer. The negative integer should be discarded, and you should print the average of all the previously entered integers.