**Lab 2 Submission**

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### CS200

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***Abstract***

The following is my submission for Lab 2. The submission consists of an algorithm simulating a standard Cuckoo clock.

***Cuckoo Clock Simulation***

Description: This algorithm simulates the execution of a standard Cuckoo clock.

Gather User Input: start hour, end hour

Output: Cuckoo Clock Simulation

Algorithm:

Declare variables: current hour, current minute, stop hour, sound, tic,

Output

Print simulation start

Begin Do While Loop: while current hour is not end hour

Increment current minute

If current minute is 60

increment hour and reset minute to 0

if hour is greater than 12

reset hour to 1

set output to hour/min o’clock

for loop one to number of hours

append output with number of sounds

else if current minute is a multiple of 15

set output to hour/min with sound

else

set output to hour/min with tic

print output

End do while.

Print simulation end.