



I. Predict the outcome for the given algorithm.

Step	Instruction
1	Start program when the a key is pressed
2	Set instrument to drum
3	Play sound Low Tom until done
4	Wait for $\frac{1}{4}$ second
5	Play sound High Tom until done
6	Wait for $\frac{1}{4}$ second
7	Repeat steps 3 to 6 forever
8	Stop program by clicking Stop button

A

Step	Instruction
1	Start program when Green Flag is clicked
2	Set instrument to electric guitar
3	Set volume to 100 %
4	Play sound C Elec Guitar until done
5	Play sound E Elec Guitar until done
6	Play sound A Elec Guitar until done
7	Play sound G Elec Guitar until done
8	Change volume by -10
9	Repeat steps 4 to 8 seven more times
10	Stop program

B

a. Which algorithm uses the forever loop?

b. Which algorithm uses the repeat loop?

c. Which musical instrument is used in each algorithm?

d. How many times is the High Tom sound played in Algorithm C?

e. What is the lowest volume in Algorithm D?

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Date: _____
