Wait Program! Worksheet Challenge 1 Solution

Answer the following questions related to program design:

1. Define the task you would like to perform:
   
   We want the robot to move forward until it “hears” a noise, then turn left.

2. Write a set of instructions in English for creating the program:
   
   1. Move forward
   2. Wait until a noise is heard
   3. Turn left

3. Brainstorm about possible programming solutions below and write the one below that your group thinks is a good one.
   
   1. Move forward for unlimited
   2. Wait until the sound sensor in port 2 perceives a noise greater than intensity >50
   3. Turn left 90 degrees

4. Did you have to “iterate” (make changes to the program, etc.) to make it work?
   How many iterations did you have to perform? Briefly explain each one.
   
   Answers will vary. Example answer: No, the program worked correctly the first time through.