

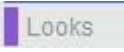
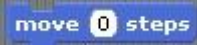

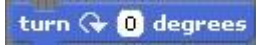
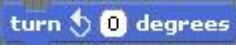

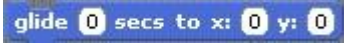




# Exploring Computer Science

## Scratch #1 –Name

Objective: Demonstrate your understanding of the basics of Scratch.

Note: You should complete the *Scratch Moving Worksheet* prior to starting this assignment.

1. In your *Exploring Computer Science* folder, create a folder titled *First\_Last\_Scratch\_1*.
2. Start Scratch. Save this project in your *Scratch\_1* folder as *name*. This is **not** your name, but *name.sb2*.
3. Create a Scratch project using the letters of your name and one additional Sprite. Use the built-in letters that come with Scratch or create your own letters.
  - a. Each letter of your name must have its own Sprite.
  - b. You must have at least **5** letter Sprites and at least one additional Sprite that is not a letter. Use your last name if your first name doesn't have enough letters. You can use a nickname if your name is really long. You need a minimum of **6** Sprites total.
  - c. All Sprites must have a unique name. Points will be deducted for Sprite1, Sprite2, etc.
4. **Each** of the 6 Sprites must have a script that starts by using the *When green flag clicked* block. . The script must contain a forever block. .
5. All letters must do something **different** using **different** blocks. At a minimum, you must use the following in your entire project:
  - a. At least **2 different** blocks under the Looks  menu.
  - b. The following blocks must be used correctly:
    - i. *move steps*  and *if on edge bounce*  used together in the same script.
    - ii. *turn degrees*  or 
    - iii. *go to x: y:* 
    - iv. *glide secs to x: y:* 
6. All Sprites **must move continuously**. They may not go to a specific place and then stop moving.
7. The **Stage** has these requirements:
  - a. The Stage must have a backdrop that isn't white. It can be a color or a picture.
  - b. You must use the *When green flag clicked*  block for the **Stage** and **play music or a sound** in a *forever* block .
8. Extra Credit possibilities:
  - a. Each time the green flag is clicked, your name reinitializes itself so that it can be read.