Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_/\_\_\_\_\_/\_\_\_\_

Project

**Challenge 1** algorithm written in pseudocode:

I can *(circle the skills you have demonstrated or write in any other skills)*

**Generate a random number**

to choose one of the names.

**Declare and assign variables**

to store the names of five people, and to store the random number.

**Display result**

to output the chosen name.

**Use if-else**

to select an individual name, based on the random number.

**Test my code**

to make sure it works in a truly random way.

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Page 1 of 2

A screen capture of my code and what displays onscreen when it is run:

Read the following rubric.

Circle the description that best describes your programming on this project.

|  |  |  |  |
| --- | --- | --- | --- |
| 1 point | 2 points | 3 points | 4 points |
| I created the program but needed a lot of guidance and help from others.  I have learned up to 2 new programming skills and identified these skills using the ‘I can’ statements. | I created the program with a little help from others.  I have learned up to 3 new programming skills and identified these skills using the ‘I can’ statements. | I created my own program following suggested steps. When I got stuck I sought help.  I have described clearly the challenges I had and how I overcame them.  I have learned up to 4 new programming skills and identified these skills using the ‘I can’ statements. | I created my own program. When I got stuck I sought help. I also helped others when they got stuck.  I have described clearly any challenges I had and how I overcame them.  I have learned or used more than 4 programming skills and identified these skills using the ‘I can’ statements. |

What three things have I learned about **random numbers** in Python or JavaScript?

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Page 2 of 2