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 a first name, surname and race, and to roll for stats.

**Declare and fill an array**

to store first names, surnames and races.

**Use if-else**

to make an improvement that allows for race-specific names or bonuses.

**Display result**

to output the character’s name and other information neatly.

**Test my code**

to make sure it works in a truly random way.

Digital Technologies Hub is brought to you by



[Creative Commons BY 4.0 licence](https://creativecommons.org/licenses/by/4.0/) unless

otherwise indicated.



[Australian Government Department of Education and Training](https://www.education.gov.au/)

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 **arrays** in Python or JavaScript?

Digital Technologies Hub is brought to you by



[Creative Commons BY 4.0 licence](https://creativecommons.org/licenses/by/4.0/) unless

otherwise indicated.



[Australian Government Department of Education and Training](https://www.education.gov.au/)

Page 2 of 2