

2a. This program's language is Scratch which is just block by block coding which is similar to a sequential program. The program basically allows you to choose a theme either Marvel, Dragon Ball, and DC. The program then makes the user answer a few questions which then show an image of your character in that theme. The video illustrates the different questions and the different broadcasts that are sent. It also shows all of the points that can be possible depending on your answers. The video also shows the way that results are combined for each theme and the different ranges for how the program shows the user which character they would be in that theme.

2b. The difficulties that I faced were primarily in the result system. This is because I used a list at first to make the results go to a certain category which was dependent on which theme that the user chose. However, since the results were in a list, I could not reset the number of points earned which then messed up the different images that showed up. I then changed it with a variable instead which made it a lot easier to reset the points. Another problem I faced was making the ranges for the different characters. For example, having one character reside in the range of 0-10 points but it could also equal 10 points. This made a few problems with "and" and "or" blocks but I eventually fixed it.