Points 50

Bonus points up to 50.

Due date: Friday, February 28

1. Refer to the compass program in the sample code
2. Add 2 additional multidimensional arrows to allow swapping values between any two directions
3. Add a background picture: you can refer to Wikimedia commons:

<https://commons.wikimedia.org/wiki/Main_Page>

1. Create a random java script function to initialize the directions N, S, E, W every time you click on reset,

For bonus points

1. Make it into a game instead of N, S, E, W you will have visual object that will move when swapped instead of shifting. 10 points
2. Track players Score 10 points
3. 2 type of objects: something active like human or canon… it has an action

Something that represent a target. 10

1. Challenge when the object hits the target. 20

You can use some other control instead of arrows that you may think is more appropriate.

You need to submit source code, and sample runs of the web site