Homework 8

Describe how you would integrate the "wind effect" into the random walk model. Assume that the "wind effect" is a distortion that causes the particles to move more in a certain direction.
Implement your idea in a Matlab script and check if it works.
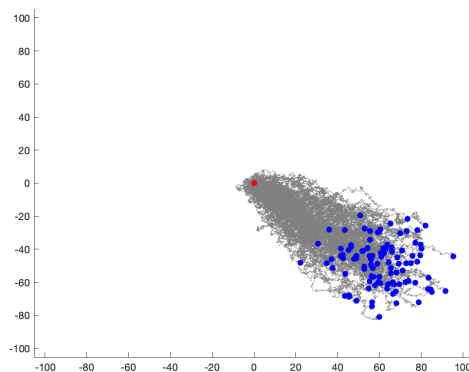The script should allow the user to enter two inputs:
(i) the strength of the wind and
(ii) the wind direction.

The Matlab script should produce a figure that matches the user's input. Below are two examples showing two different wind directions and wind strengths.

Strong wind from direction=300º

Weak wind from direction=100º