I would like to create a simple python project simulating an animation of a car running up and down a hill with different road settings, weather settings, and how these different settings will affect the car speed. Note this project is for beginners/ amatuer Python user, so please keep it as basic and simple as possible.

- 1. For the car, the user will need to input its dimensions: length, width, height, weight. Since this is a simple project, you can treat the car as a rectangle box.
- 2. For the hill, the length, slope will be up to you
- For the road settings, there will be two scenarios: smooth and rough. For the smooth road, there will be no friction, and for rough road, you will need to account for friction.
   Friction coefficient is up to you
- 4. For weather settings, there will be three scenarios: normal, snow, rain. For the normal road condition, the car will travel with regular speed, for snow, the car will travel with half speed, as for rain, the car will travel with 3/4 of the speed.
- 5. Finally, I would like to see the time it took for the car to travel through the hill.

  Below is a simple illustration of how I want the animation to be:

