- **Conclusion of Nestrov - Acceleration - Gradient , Momentum – Gradient and Vanilla-Gradient descents:**

Weight(w)	Bias(b)	Learning Rate(eta)	Epochs(epoch)	Vanilla-Gradient-Error	Momentum-Gradient-Error	Nestrov-Gradient-Error	Vanilla-Gradient-Time	Momentum-Gradient-Time	Nestrov-Gradient-Error
-2	-2	5	700	1.0e^-31	3.73e^-32	3.73e^-32	0.015625	0.03125	-0.03125
-2	-2	10	700	2.5e^-32	7.7e^-33	6.54e^-33	0.03125	0.015625	-0.015625
-2	-2	15	700	7.7e^-33	9.6e^-33	7.7e^-33	0.03125	0.03125	-0.03125

- Here, I have taken learning rate as a variable and check for the same weight, Bias, Epochs.
- The output here is, that the nestrov gradient is faster than the other gradients.
- Time of nestrov is low other than the two gradients and error rate of nestrov is less than the other gradient descents.
- As in the last row, the error rate of the vanilla and nestrov gradient is similar and the error rate of the momentum gradient is comparatively higher. But the time of the nestrov is lower among all three gradients.
- So we can say that the Nestrov-Acceleration Gradient is faster among all the three gradients.