• Vanilla-Momentum Gradient-Descent Observations:

Weight	Bias	Learning-Rate	Epochs	Vanilla-GD-	Momentum-	Vanilla-	Momentum-
				Error	GD-Error	Time	time
-2	-2	10	700	1e^-31	3.74e^-32	0.0	0.015625
-4	-4	10	700	2.5e^-32	6.16e^-33	0.0	0.015625
-4	-4	15	1000	7.7e^-33	7.7e^-33	0.0	0.015625
-4	-4	20	1000	6.5^e-33	3.58e^-31	0.0	0.015625

- > Conclusion:
- Here as you can see the table, here momentum gradient is taking more time than vanilla gradient but the error rate of momentum-gradient is less than vanilla gradient.
- ➤ Here the learning rate affects more to the error rate, than other parameters.
- As in the 3rd row, the error rate of momentum-gradient and vanilla-gradient becomes same here.
- And in the 4th row, the error rate of the vanilla is less than the momentum-gradient, so here the vanilla-gradient converges more than the momentum-gradient-descent.