1. import Library

```
In [1]: import tensorflow as tf
         import numpy as np
         from tensorflow.keras import Sequential # AI Model 생성
         from tensorflow.keras.layers import Dense
In [19]: # model = Sequential()
         # model.add(Dense(units = 1, input_shape = [1]))
         model = Sequential([Dense(units = 1, input_shape = [1])])
In [20]: model.summary()
      Model: "sequential 10"
         Layer (type)
                                                     Output Shape
         dense 10 (Dense)
                                                     (None, 1)
       Total params: 2 (8.00 B)
        Trainable params: 2 (8.00 B)
        Non-trainable params: 0 (0.00 B)
In [22]: model.compile(optimizer='sgd', loss='mean_squared_error') # 예측하는 프로그램이드
In [35]: xs = np.array([1, 2, 3, 4, 5])
         ys = np.array([10, 20, 30, 40, 50])
```

In [36]: model.fit(xs, ys, epochs=500)

F					
Epoch 1/500 1/1	0s	26ms/step	_	loss:	0.0196
Epoch 2/500 1/1	0.0	26ms/stan		10001	0.0104
Epoch 3/500	05	zons/step	-	1055:	0.0194
1/1	0s	25ms/step	-	loss:	0.0193
Epoch 4/500 1/1	0s	62ms/step	_	loss:	0.0192
Epoch 5/500					
1/1 ————————— Epoch 6/500	0s	27ms/step	-	loss:	0.0190
1/1	0s	28ms/step	-	loss:	0.0189
Epoch 7/500 1/1	0s	26ms/step	_	loss:	0.0188
Epoch 8/500					
1/1 ———————————————————————————————————	0s	26ms/step	-	loss:	0.0187
1/1	0s	27ms/step	-	loss:	0.0185
Epoch 10/500 1/1	۵s	25ms/sten	_	1055.	0 0184
Epoch 11/500					
1/1 ————————— Epoch 12/500	0s	25ms/step	-	loss:	0.0183
1/1	0s	27ms/step	-	loss:	0.0182
Epoch 13/500 1/1	Q.c	27ms/s+on		10551	0 0190
Epoch 14/500					
1/1 ———————————————————————————————————	0s	25ms/step	-	loss:	0.0179
1/1	0s	27ms/step	-	loss:	0.0178
Epoch 16/500 1/1	00	2Ems/ston		10551	0 0177
Epoch 17/500					
1/1 ———————————————————————————————————	0s	25ms/step	-	loss:	0.0176
1/1	0s	29ms/step	-	loss:	0.0174
Epoch 19/500 1/1	00	26ms/ston		10551	0 0172
Epoch 20/500	62	261115/Step	-	1055.	0.01/3
1/1 ———————————————————————————————————	0s	26ms/step	-	loss:	0.0172
Epoch 21/500 1/1	0s	25ms/step	_	loss:	0.0171
Epoch 22/500 1/1	0-	01		1	0 0170
Epoch 23/500					
1/1 ———————————————————————————————————	0s	30ms/step	-	loss:	0.0169
Epoch 24/500 1/1	0s	26ms/step	_	loss:	0.0167
Epoch 25/500	0-	25ma /atam		1	0.0166
1/1 ————————— Epoch 26/500	ØS	25ms/step	-	1055:	0.0166
1/1	0s	26ms/step	-	loss:	0.0165
Epoch 27/500 1/1	0s	25ms/step	_	loss:	0.0164
Epoch 28/500					
1/1 ————————— Epoch 29/500	ØS	26ms/step	-	TOSS:	0.0163
1/1	0s	25ms/step	-	loss:	0.0162
Epoch 30/500 1/1	0s	27ms/step	_	loss:	0.0161

Epoch 31/500 1/1	0 s	27ms/sten	_	loss:	0.0160
Epoch 32/500					
1/1	0s	27ms/step	-	loss:	0.0159
Epoch 33/500	0 -	20 / 1		,	0.0450
1/1 ———————————————————————————————————	0S	28ms/step	-	TOSS:	0.0158
•	0s	28ms/step	_	loss:	0.0156
Epoch 35/500					
1/1	0s	27ms/step	-	loss:	0.0155
Epoch 36/500 1/1	ac.	27ms/s+on		1000	0 0154
Epoch 37/500	03	271113/3CEP	-	1055.	0.0134
1/1	0s	26ms/step	-	loss:	0.0153
Epoch 38/500					
1/1 ———————————————————————————————————	0s	29ms/step	-	loss:	0.0152
Epoch 39/500 1/1	0 s	27ms/sten	_	loss:	0.0151
Epoch 40/500		_,o, o cep			0.0222
1/1	0s	26ms/step	-	loss:	0.0150
Epoch 41/500 1/1	0-	24/		1	0.0140
Epoch 42/500	65	24ms/step	-	1055:	0.0149
1/1	0s	28ms/step	_	loss:	0.0148
Epoch 43/500					
1/1	0s	27ms/step	-	loss:	0.0147
Epoch 44/500 1/1	95	28ms/sten	_	loss:	0.0146
Epoch 45/500					
1/1	0s	61ms/step	-	loss:	0.0145
Epoch 46/500 1/1	0-	27		1	0 0144
Epoch 47/500	05	z/ms/scep	-	1022:	0.0144
1/1	0s	27ms/step	-	loss:	0.0143
Epoch 48/500					
1/1 ———————————————————————————————————	0s	30ms/step	-	loss:	0.0142
1/1	0s	28ms/step	_	loss:	0.0141
Epoch 50/500		,			
1/1	0s	100ms/step) -	loss	0.0140
Epoch 51/500 1/1	ac.	20ms/s+on		10551	0 0120
Epoch 52/500	03	20113/3CEP	_	1033.	0.0139
1/1	0s	30ms/step	-	loss:	0.0139
Epoch 53/500	_				
1/1 ———————————————————————————————————	0s	25ms/step	-	loss:	0.0138
1/1	0s	28ms/step	_	loss:	0.0137
Epoch 55/500					
1/1	0s	27ms/step	-	loss:	0.0136
Epoch 56/500 1/1	۵s	30ms/sten	_	1055.	0 0135
Epoch 57/500	03	Эбшэ <i>,</i> э сер		1033.	0.0133
1/1	0s	25ms/step	-	loss:	0.0134
Epoch 58/500	^	22 / '		1.	0.0433
1/1 ————————— Epoch 59/500	۷S	23ms/step	-	TO22:	0.0133
1/1	0s	24ms/step	_	loss:	0.0132
Epoch 60/500					
1/1	0s	24ms/step	-	loss:	0.0131

					_
Epoch 61/500 1/1 ———————————————————————————————————	0s	23ms/step	_	loss:	0.0130
Epoch 62/500		26ms/step			
Epoch 63/500					
1/1 Epoch 64/500	0s	23ms/step	-	loss:	0.0129
1/1 ———————————————————————————————————	0s	24ms/step	-	loss:	0.0128
1/1 ————————— Epoch 66/500	0s	24ms/step	-	loss:	0.0127
1/1 ———————————————————————————————————	0s	26ms/step	-	loss:	0.0126
1/1	0s	27ms/step	-	loss:	0.0125
Epoch 68/500 1/1 ———————————————————————————————————	0s	26ms/step	-	loss:	0.0124
Epoch 69/500 1/1 —————	0s	25ms/step	-	loss:	0.0123
Epoch 70/500 1/1 ———————————————————————————————————	0s	124ms/step) ·	- loss	: 0.0123
Epoch 71/500 1/1	0s	36ms/step	-	loss:	0.0122
Epoch 72/500 1/1	0s	33ms/step	_	loss:	0.0121
Epoch 73/500 1/1 ———————————————————————————————————		·			
Epoch 74/500 1/1 ———————————————————————————————————					
Epoch 75/500 1/1 ———————————————————————————————————					
Epoch 76/500					
1/1 Epoch 77/500					
1/1 ———————————————————————————————————					
1/1 ———————————————————————————————————	0s	31ms/step	-	loss:	0.0116
1/1 ————————— Epoch 80/500	0s	60ms/step	-	loss:	0.0115
1/1 ———————————————————————————————————	0s	27ms/step	-	loss:	0.0115
1/1 ———————————————————————————————————	0s	63ms/step	-	loss:	0.0114
1/1	0s	25ms/step	-	loss:	0.0113
Epoch 83/500 1/1	0s	61ms/step	-	loss:	0.0112
Epoch 84/500 1/1 ——————	0s	24ms/step	-	loss:	0.0112
Epoch 85/500 1/1	0s	25ms/step	-	loss:	0.0111
Epoch 86/500 1/1	0s	25ms/step	_	loss:	0.0110
Epoch 87/500 1/1 ———————	0s	92ms/step	_	loss:	0.0109
Epoch 88/500 1/1 ——————					
Epoch 89/500 1/1 ————					
Epoch 90/500		•			
1/1	ØS	osms/step	-	TOSS:	0.010/

Frank 01/500					
Epoch 91/500 1/1	0s	23ms/step	_	loss:	0.0106
Epoch 92/500					
1/1 ———————————————————————————————————	0s	24ms/step	-	loss:	0.0106
Epoch 93/500 1/1	0s	22ms/step	_	loss:	0.0105
Epoch 94/500		5, 5 ccp			0.0202
	0s	24ms/step	-	loss:	0.0104
Epoch 95/500 1/1	00	24ms/s+on		1000	0 0104
Epoch 96/500	03	24iii3/3Cep	_	1033.	0.0104
1/1	0s	25ms/step	-	loss:	0.0103
Epoch 97/500 1/1	0-	22ma /atan		1	0.0100
Epoch 98/500	05	2311S/Step	-	1022:	0.0102
1/1	0s	23ms/step	-	loss:	0.0101
Epoch 99/500	0 -	24 / 1		,	0.0404
1/1 ———————————————————————————————————	US	24ms/step	-	loss:	0.0101
	0s	23ms/step	-	loss:	0.0100
Epoch 101/500	_				
1/1 ———————————————————————————————————	0s	26ms/step	-	loss:	0.0099
-	0s	25ms/step	-	loss:	0.0099
Epoch 103/500	_			_	
1/1 ———————————————————————————————————	0s	26ms/step	-	loss:	0.0098
1/1	0s	24ms/step	-	loss:	0.0097
Epoch 105/500 1/1	_				
	05	24ms/step	-	loss:	0.0097
Epoch 106/500 1/1					
Epoch 106/500 1/1 ———————————————————————————————————	0s	105ms/step	ς .	- loss	: 0.0096
Epoch 106/500 1/1 ——————————————————————————————————	0s	105ms/step	ς .	- loss	: 0.0096
Epoch 106/500 1/1 Epoch 107/500 1/1 Epoch 108/500 1/1	0s 0s	105ms/step) · -	- loss loss:	: 0.0096 0.0095
Epoch 106/500 1/1 Epoch 107/500 1/1 Epoch 108/500 1/1 Epoch 109/500	0s 0s 0s	105ms/step 34ms/step 28ms/step	o - -	loss:	: 0.0096 0.0095 0.0095
Epoch 106/500 1/1 Epoch 107/500 1/1 Epoch 108/500 1/1	0s 0s 0s	105ms/step 34ms/step 28ms/step	o - -	loss:	: 0.0096 0.0095 0.0095
Epoch 106/500 1/1 Epoch 107/500 1/1 Epoch 108/500 1/1 Epoch 109/500 1/1 Epoch 110/500 1/1	0s 0s 0s	105ms/step 34ms/step 28ms/step 24ms/step	- -	loss:	: 0.0096 0.0095 0.0095 0.0094
Epoch 106/500 1/1 Epoch 107/500 1/1 Epoch 108/500 1/1 Epoch 109/500 1/1 Epoch 110/500 1/1 Epoch 111/500	0s 0s 0s 0s	105ms/step 34ms/step 28ms/step 24ms/step 25ms/step	- -	loss:	: 0.0096 0.0095 0.0095 0.0094 0.0094
Epoch 106/500 1/1 Epoch 107/500 1/1 Epoch 108/500 1/1 Epoch 109/500 1/1 Epoch 110/500 1/1	0s 0s 0s 0s	105ms/step 34ms/step 28ms/step 24ms/step 25ms/step	- -	loss:	: 0.0096 0.0095 0.0095 0.0094 0.0094
Epoch 106/500 1/1 Epoch 107/500 1/1 Epoch 108/500 1/1 Epoch 109/500 1/1 Epoch 110/500 1/1 Epoch 111/500 1/1 Epoch 112/500 1/1	0s 0s 0s 0s	105ms/step 34ms/step 28ms/step 24ms/step 25ms/step 23ms/step	- - -	loss: loss: loss: loss: loss:	: 0.0096 0.0095 0.0095 0.0094 0.0094 0.0093
Epoch 106/500 1/1 Epoch 107/500 1/1 Epoch 108/500 1/1 Epoch 109/500 1/1 Epoch 110/500 1/1 Epoch 111/500 1/1 Epoch 112/500 1/1 Epoch 113/500	0s 0s 0s 0s	105ms/step 34ms/step 28ms/step 24ms/step 25ms/step 23ms/step 62ms/step		loss: loss: loss: loss: loss: loss:	: 0.0096 0.0095 0.0095 0.0094 0.0094 0.0093
Epoch 106/500 1/1 Epoch 107/500 1/1 Epoch 108/500 1/1 Epoch 109/500 1/1 Epoch 110/500 1/1 Epoch 111/500 1/1 Epoch 112/500 1/1 Epoch 113/500	0s 0s 0s 0s	105ms/step 34ms/step 28ms/step 24ms/step 25ms/step 23ms/step		loss: loss: loss: loss: loss: loss:	: 0.0096 0.0095 0.0095 0.0094 0.0094 0.0093
Epoch 106/500 1/1 Epoch 107/500 1/1 Epoch 108/500 1/1 Epoch 109/500 1/1 Epoch 110/500 1/1 Epoch 111/500 1/1 Epoch 112/500 1/1 Epoch 113/500 1/1 Epoch 114/500 1/1	0s 0s 0s 0s 0s	105ms/step 34ms/step 28ms/step 24ms/step 25ms/step 23ms/step 62ms/step		loss: loss: loss: loss: loss: loss: loss:	: 0.0096 0.0095 0.0095 0.0094 0.0094 0.0093 0.0092
Epoch 106/500 1/1 Epoch 107/500 1/1 Epoch 108/500 1/1 Epoch 109/500 1/1 Epoch 110/500 1/1 Epoch 111/500 1/1 Epoch 113/500 1/1 Epoch 114/500 1/1 Epoch 115/500	0s 0s 0s 0s 0s 0s 0s 0s	105ms/step 34ms/step 28ms/step 24ms/step 25ms/step 23ms/step 62ms/step 24ms/step 23ms/step	- - - -	loss: loss: loss: loss: loss: loss: loss:	: 0.0096 0.0095 0.0095 0.0094 0.0093 0.0092 0.0092
Epoch 106/500 1/1 Epoch 107/500 1/1 Epoch 108/500 1/1 Epoch 109/500 1/1 Epoch 110/500 1/1 Epoch 111/500 1/1 Epoch 113/500 1/1 Epoch 114/500 1/1 Epoch 115/500 1/1 Epoch 116/500	0s 0s 0s 0s 0s 0s	105ms/step 34ms/step 28ms/step 24ms/step 25ms/step 23ms/step 62ms/step 24ms/step 24ms/step 22ms/step		loss: loss: loss: loss: loss: loss: loss: loss:	: 0.0096 0.0095 0.0094 0.0094 0.0093 0.0092 0.0092 0.0091 0.0090
Epoch 106/500 1/1 Epoch 107/500 1/1 Epoch 108/500 1/1 Epoch 109/500 1/1 Epoch 110/500 1/1 Epoch 111/500 1/1 Epoch 113/500 1/1 Epoch 114/500 1/1 Epoch 115/500 1/1 Epoch 116/500 1/1	0s 0s 0s 0s 0s 0s	105ms/step 34ms/step 28ms/step 24ms/step 25ms/step 23ms/step 62ms/step 24ms/step 24ms/step 22ms/step		loss: loss: loss: loss: loss: loss: loss: loss:	: 0.0096 0.0095 0.0094 0.0094 0.0093 0.0092 0.0092 0.0091 0.0090
Epoch 106/500 1/1 Epoch 107/500 1/1 Epoch 108/500 1/1 Epoch 109/500 1/1 Epoch 110/500 1/1 Epoch 111/500 1/1 Epoch 113/500 1/1 Epoch 114/500 1/1 Epoch 115/500 1/1 Epoch 116/500 1/1 Epoch 117/500	0s 0s 0s 0s 0s 0s	105ms/step 34ms/step 28ms/step 24ms/step 25ms/step 23ms/step 24ms/step 24ms/step 24ms/step 23ms/step 23ms/step		loss: loss: loss: loss: loss: loss: loss: loss:	: 0.0096 0.0095 0.0094 0.0094 0.0093 0.0092 0.0092 0.0091 0.0090
Epoch 106/500 1/1 Epoch 107/500 1/1 Epoch 108/500 1/1 Epoch 109/500 1/1 Epoch 110/500 1/1 Epoch 111/500 1/1 Epoch 113/500 1/1 Epoch 114/500 1/1 Epoch 115/500 1/1 Epoch 116/500 1/1 Epoch 117/500 1/1 Epoch 118/500	0s	105ms/step 34ms/step 28ms/step 24ms/step 25ms/step 23ms/step 62ms/step 24ms/step 23ms/step 23ms/step 23ms/step 23ms/step		loss: loss: loss: loss: loss: loss: loss: loss: loss:	: 0.0096 0.0095 0.0094 0.0094 0.0093 0.0092 0.0092 0.0091 0.0090 0.0089
Epoch 106/500 1/1 Epoch 107/500 1/1 Epoch 108/500 1/1 Epoch 109/500 1/1 Epoch 110/500 1/1 Epoch 111/500 1/1 Epoch 113/500 1/1 Epoch 114/500 1/1 Epoch 115/500 1/1 Epoch 116/500 1/1 Epoch 117/500 1/1 Epoch 118/500 1/1	0s	105ms/step 34ms/step 28ms/step 24ms/step 25ms/step 23ms/step 62ms/step 24ms/step 23ms/step 23ms/step 23ms/step 23ms/step		loss: loss: loss: loss: loss: loss: loss: loss: loss:	: 0.0096 0.0095 0.0094 0.0094 0.0093 0.0092 0.0092 0.0091 0.0090 0.0089
Epoch 106/500 1/1 Epoch 107/500 1/1 Epoch 108/500 1/1 Epoch 109/500 1/1 Epoch 110/500 1/1 Epoch 111/500 1/1 Epoch 113/500 1/1 Epoch 114/500 1/1 Epoch 115/500 1/1 Epoch 116/500 1/1 Epoch 117/500 1/1 Epoch 118/500 1/1 Epoch 118/500 1/1 Epoch 118/500 1/1 Epoch 118/500	0s 0s 0s 0s 0s 0s 0s 0s	105ms/step 34ms/step 28ms/step 24ms/step 25ms/step 23ms/step 62ms/step 24ms/step 23ms/step 23ms/step 23ms/step 23ms/step		loss:	: 0.0096 0.0095 0.0095 0.0094 0.0093 0.0092 0.0092 0.0091 0.0090 0.0089 0.0089
Epoch 106/500 1/1 Epoch 107/500 1/1 Epoch 108/500 1/1 Epoch 109/500 1/1 Epoch 110/500 1/1 Epoch 111/500 1/1 Epoch 113/500 1/1 Epoch 114/500 1/1 Epoch 115/500 1/1 Epoch 116/500 1/1 Epoch 117/500 1/1 Epoch 118/500 1/1 Epoch 118/500 1/1 Epoch 118/500 1/1 Epoch 118/500	0s 0s 0s 0s 0s 0s 0s	105ms/step 34ms/step 28ms/step 24ms/step 25ms/step 23ms/step 62ms/step 24ms/step 23ms/step 23ms/step 23ms/step 22ms/step 23ms/step 23ms/step		- loss loss:	: 0.0096 0.0095 0.0094 0.0094 0.0093 0.0092 0.0092 0.0091 0.0090 0.0089 0.0089

E 424/E00					
Epoch 121/500 1/1	0s	23ms/step	_	loss:	0.0087
Epoch 122/500					
1/1 ———————————————————————————————————	0s	23ms/step	-	loss:	0.0086
	0s	24ms/step	-	loss:	0.0086
Epoch 124/500 1/1 ———————————————————————————————————	Q.c	95ms/step		1000	0 0005
Epoch 125/500	62	95ills/step	-	1055.	0.0005
1/1	0s	38ms/step	-	loss:	0.0084
Epoch 126/500 1/1	95	24ms/sten	_	loss:	0.0084
Epoch 127/500					
1/1	0s	23ms/step	-	loss:	0.0083
Epoch 128/500 1/1	0s	23ms/step	_	loss:	0.0083
Epoch 129/500					
1/1 ———————————————————————————————————	0s	24ms/step	-	loss:	0.0082
	0s	24ms/step	-	loss:	0.0082
Epoch 131/500 1/1	00	24ms/ston		10001	0 0001
Epoch 132/500	05	24ms/scep	-	1055:	0.0081
1/1	0s	24ms/step	-	loss:	0.0081
Epoch 133/500 1/1	95	24ms/sten	_	loss:	0.0080
Epoch 134/500					
1/1 ———————————————————————————————————	0s	23ms/step	-	loss:	0.0079
1/1	0s	22ms/step	_	loss:	0.0079
Epoch 136/500					
1/1 ———————————————————————————————————	0s	25ms/step	-	loss:	0.0078
1/1	0s	25ms/step	-	loss:	0.0078
Epoch 138/500 1/1	۵c	62ms/s+an		1000	0 0077
Epoch 139/500	03	021115/5CEP	-	1055.	0.0077
1/1	0s	26ms/step	-	loss:	0.0077
Epoch 140/500 1/1	0s	25ms/step	_	loss:	0.0076
Epoch 141/500					
1/1 ———————————————————————————————————	0s	26ms/step	-	loss:	0.0076
1/1	0s	24ms/step	-	loss:	0.0075
Epoch 143/500 1/1	Q.c	26ms/step		1000	0 0075
Epoch 144/500	03	201115/Step	-	1055.	0.0073
	0s	24ms/step	-	loss:	0.0074
Epoch 145/500 1/1	0s	26ms/step	_	loss:	0.0074
Epoch 146/500					
1/1 ———————————————————————————————————	0s	25ms/step	-	loss:	0.0073
1/1	0s	27ms/step	-	loss:	0.0073
Epoch 148/500					
1/1 ————————— Epoch 149/500	υS	∠oms/step	-	TOSS:	0.00/2
1/1	0s	23ms/step	-	loss:	0.0072
Epoch 150/500 1/1	۵c	24ms/sten	_	1055.	0.0071
-/ -	US	2-1113/3 CEP	-	1033.	0.00/1

5 1 454 (500					
Epoch 151/500 1/1	0s	26ms/step	-	loss:	0.0071
Epoch 152/500 1/1	95	24ms/sten	_	loss:	0.0070
Epoch 153/500					
1/1 ———————————————————————————————————	0s	25ms/step	-	loss:	0.0070
1/1 ————————— Epoch 155/500	0s	23ms/step	-	loss:	0.0069
1/1	0s	24ms/step	-	loss:	0.0069
Epoch 156/500 1/1	0s	24ms/step	_	loss:	0.0068
Epoch 157/500 1/1	0s	64ms/sten	_	loss	0 0068
Epoch 158/500					
1/1 ———————————————————————————————————					
1/1 ———————————————————————————————————	0s	24ms/step	-	loss:	0.0067
1/1	0s	26ms/step	-	loss:	0.0067
Epoch 161/500 1/1	0s	25ms/step	_	loss:	0.0066
Epoch 162/500 1/1	95	24ms/sten	_	loss:	0.0066
Epoch 163/500					
1/1 ———————————————————————————————————					
1/1 ———————————————————————————————————	0s	24ms/step	-	loss:	0.0065
1/1	0s	62ms/step	-	loss:	0.0064
Epoch 166/500 1/1 ———————	0s	24ms/step	-	loss:	0.0064
Epoch 167/500 1/1	0s	29ms/step	_	loss:	0.0064
Epoch 168/500					
1/1 Epoch 169/500					
1/1 ————————— Epoch 170/500	0s	27ms/step	-	loss:	0.0063
1/1	0s	24ms/step	-	loss:	0.0062
Epoch 171/500 1/1 ——————	0s	24ms/step	-	loss:	0.0062
Epoch 172/500 1/1	0s	25ms/step	_	loss:	0.0061
Epoch 173/500 1/1	0s	60ms/step	_	loss:	0.0061
Epoch 174/500					
1/1 ———————————————————————————————————					
1/1 ———————————————————————————————————	0s	24ms/step	-	loss:	0.0060
1/1 ———————————————————————————————————	0s	22ms/step	-	loss:	0.0060
1/1	0s	23ms/step	-	loss:	0.0059
Epoch 178/500 1/1 ———————	0s	24ms/step	-	loss:	0.0059
Epoch 179/500 1/1 ———————————————————————————————————	05	23ms/sten	_	loss	0.0059
Epoch 180/500					
1/1	ØS	25ms/step	-	TOSS:	0.0058

5 J 404/500					
Epoch 181/500 1/1	0s	64ms/step	_	loss:	0.0058
Epoch 182/500					
	0s	25ms/step	-	loss:	0.0057
Epoch 183/500 1/1	0s	25ms/step	_	loss:	0.0057
Epoch 184/500					
	0s	24ms/step	-	loss:	0.0057
Epoch 185/500 1/1	0s	23ms/step	_	loss:	0.0056
Epoch 186/500		•			
1/1 ———————————————————————————————————	0s	63ms/step	-	loss:	0.0056
Epoch 187/500 1/1	0s	24ms/step	_	loss:	0.0056
Epoch 188/500					
1/1 ———————————————————————————————————	0s	23ms/step	-	loss:	0.0055
1/1	0s	23ms/step	_	loss:	0.0055
Epoch 190/500					
1/1 ———————————————————————————————————	0s	23ms/step	-	loss:	0.0054
1/1	0s	21ms/step	_	loss:	0.0054
Epoch 192/500					
1/1 ———————————————————————————————————	0s	22ms/step	-	loss:	0.0054
1/1	0s	21ms/step	_	loss:	0.0053
Epoch 194/500	_				
1/1 ———————————————————————————————————	0s	24ms/step	-	loss:	0.0053
1/1	0s	23ms/step	-	loss:	0.0053
Epoch 196/500 1/1	0-	22/-+		1	0.0053
Epoch 197/500	05	23ms/step	-	1088:	0.0052
1/1	0s	22ms/step	-	loss:	0.0052
Epoch 198/500	00	21ms/s+on		10001	0 0052
1/1 ———————————————————————————————————	62	ZIIIS/Step	-	1055.	0.0032
1/1	0s	23ms/step	-	loss:	0.0051
Epoch 200/500 1/1	۵s	24ms/sten	_	1000	0 0051
Epoch 201/500					
1/1	0s	23ms/step	-	loss:	0.0050
Epoch 202/500 1/1	0 s	22ms/sten	_	loss:	0.0050
Epoch 203/500					
	0s	23ms/step	-	loss:	0.0050
Epoch 204/500 1/1	0s	21ms/step	_	loss:	0.0049
Epoch 205/500					
1/1 ———————————————————————————————————	0s	21ms/step	-	loss:	0.0049
Epoch 206/500 1/1	0s	21ms/step	_	loss:	0.0049
Epoch 207/500					
1/1 ———————————————————————————————————	0s	23ms/step	-	loss:	0.0048
1/1 ———————————————————————————————————	0s	62ms/step	_	loss:	0.0048
Epoch 209/500					
1/1 ———————————————————————————————————	0s	24ms/step	-	loss:	0.0048
1/1	0s	21ms/step	_	loss:	0.0048
		·			

					_
Epoch 211/500 1/1 ———————————————————————————————————	0s	21ms/step	_	loss:	0.0047
Epoch 212/500		23ms/step			
Epoch 213/500					
Epoch 214/500		24ms/step			
1/1 Epoch 215/500					
1/1 ———————————————————————————————————					
1/1 ———————————————————————————————————	0s	24ms/step	-	loss:	0.0046
1/1 ———————————————————————————————————	0s	23ms/step	-	loss:	0.0045
1/1 ———————————————————————————————————	0s	23ms/step	-	loss:	0.0045
1/1 ———————————————————————————————————	0s	22ms/step	-	loss:	0.0045
1/1 ———————————————————————————————————	0s	23ms/step	-	loss:	0.0044
1/1 ———————————————————————————————————	0s	23ms/step	-	loss:	0.0044
1/1	0s	21ms/step	-	loss:	0.0044
Epoch 223/500 1/1 ———————————————————————————————————	0s	21ms/step	-	loss:	0.0043
Epoch 224/500 1/1 ———————————————————————————————————	0s	22ms/step	-	loss:	0.0043
Epoch 225/500 1/1 ———————————————————————————————————	0s	22ms/step	-	loss:	0.0043
	0s	21ms/step	-	loss:	0.0043
Epoch 227/500 1/1	0s	23ms/step	-	loss:	0.0042
Epoch 228/500 1/1	0s	22ms/step	_	loss:	0.0042
Epoch 229/500 1/1	0s	22ms/step	_	loss:	0.0042
Epoch 230/500 1/1 ———————	0s	24ms/step	_	loss:	0.0041
Epoch 231/500 1/1 ———————————————————————————————————					
Epoch 232/500		22ms/step			
Epoch 233/500		22ms/step			
Epoch 234/500					
Epoch 235/500		24ms/step			
1/1 ———————————————————————————————————					
1/1 ———————————————————————————————————					
1/1 ———————————————————————————————————					
Epoch 239/500		22ms/step			
1/1 ———————————————————————————————————	0s	22ms/step	-	loss:	0.0039
	0s	22ms/step	-	loss:	0.0039

24. 5. 20. 오전 9:49 tensorflow_linear

Epoch 241/500 1/1	00	24ms/s+on		1000	0 0020
Epoch 242/500	05	241115/Step	_	1055.	0.0039
1/1	0s	23ms/step	_	loss:	0.0038
Epoch 243/500		·			
	0s	24ms/step	-	loss:	0.0038
Epoch 244/500	_	/ /			
	0s	23ms/step	-	loss:	0.0038
Epoch 245/500 1/1	۵c	23ms/step	_	1000	0 0037
Epoch 246/500	03	2511137 3 CCP		1033.	0.0037
1/1	0s	23ms/step	_	loss:	0.0037
Epoch 247/500					
1/1	0s	62ms/step	-	loss:	0.0037
Epoch 248/500	_				
1/1	0s	22ms/step	-	loss:	0.0037
Epoch 249/500 1/1	۵c	23ms/sten	_	loss.	0 0036
Epoch 250/500	03	25113/3 CCP		1033.	0.0050
1/1	0s	24ms/step	_	loss:	0.0036
Epoch 251/500					
	0s	23ms/step	-	loss:	0.0036
Epoch 252/500 1/1	0-	22 / - +		1	0.0036
Epoch 253/500	05	23ms/step	_	1055:	0.0036
1/1	0s	23ms/step	_	loss:	0.0036
Epoch 254/500		, ,			
1/1	0s	22ms/step	-	loss:	0.0035
Epoch 255/500	_				
1/1	0s	23ms/step	-	loss:	0.0035
Epoch 256/500 1/1	۵c	24ms/sten	_	loss.	0 0035
Epoch 257/500	03	2-m3/ 3 ccp		1033.	0.0055
1/1	0s	61ms/step	-	loss:	0.0035
Epoch 258/500					
1/1	0s	24ms/step	-	loss:	0.0034
Epoch 259/500 1/1	Q.c	24ms/s+on		1000	0 0024
Epoch 260/500	03	241115/3CEP	_	1055.	0.0034
1/1	0s	23ms/step	_	loss:	0.0034
Epoch 261/500					
1/1	0s	22ms/step	-	loss:	0.0034
Epoch 262/500	0-	22 / - +		1	0 0022
1/1 ———————————————————————————————————	05	23ms/step	-	1055:	0.0033
1/1	0s	21ms/step	_	loss:	0.0033
Epoch 264/500					
	0s	25ms/step	-	loss:	0.0033
Epoch 265/500	_	/ /			
1/1 ———————————————————————————————————	0s	23ms/step	-	loss:	0.0033
Epoch 266/500 1/1	۵s	24ms/sten	_	lossi	0 0033
Epoch 267/500	03	2-1113/3 ССР		1033.	0.0055
1/1	0s	23ms/step	-	loss:	0.0032
Epoch 268/500					
1/1	0s	63ms/step	-	loss:	0.0032
Epoch 269/500 1/1	0-	24ms/s+s-		1000	0 0022
Epoch 270/500	05	z4ms/step	-	1022;	0.0032
1/1	0s	23ms/step	_	loss:	0.0032
-		,			

Epoch 271/500 1/1	0s	22ms/step	_	loss:	0.0031
Epoch 272/500 1/1	۵s	22ms/step	_	1055.	0 0031
Epoch 273/500					
1/1 ———————————————————————————————————	0s	24ms/step	-	loss:	0.0031
1/1 ———————————————————————————————————	0s	23ms/step	-	loss:	0.0031
1/1	0s	21ms/step	-	loss:	0.0031
Epoch 276/500 1/1	0s	21ms/step	_	loss:	0.0030
Epoch 277/500 1/1 ———————————————————————————————————	۵s	22ms/sten	_	1055.	0 0030
Epoch 278/500					
1/1 ———————————————————————————————————	0s	22ms/step	-	loss:	0.0030
1/1 ————————— Epoch 280/500	0s	24ms/step	-	loss:	0.0030
1/1	0s	22ms/step	-	loss:	0.0030
Epoch 281/500 1/1	0s	23ms/step	_	loss:	0.0029
Epoch 282/500 1/1	۵s	23ms/sten	_	loss	a aa29
Epoch 283/500					
1/1 ———————————————————————————————————					
1/1 ————————— Epoch 285/500	0s	23ms/step	-	loss:	0.0029
1/1	0s	23ms/step	-	loss:	0.0029
Epoch 286/500 1/1	0s	23ms/step	-	loss:	0.0028
Epoch 287/500 1/1	0s	24ms/step	_	loss:	0.0028
Epoch 288/500					
1/1 Epoch 289/500					
1/1 ————————— Epoch 290/500	0s	22ms/step	-	loss:	0.0028
1/1	0s	23ms/step	-	loss:	0.0028
Epoch 291/500 1/1 ——————	0s	22ms/step	-	loss:	0.0027
Epoch 292/500 1/1	0s	22ms/step	_	loss:	0.0027
Epoch 293/500 1/1 ———————————————————————————————————	۵s	22ms/step	_	loss	a aa27
Epoch 294/500					
Epoch 295/500		22ms/step			
1/1 ————————— Epoch 296/500	0s	22ms/step	-	loss:	0.0027
1/1 ———————————————————————————————————	0s	23ms/step	-	loss:	0.0027
1/1	0s	23ms/step	-	loss:	0.0026
Epoch 298/500 1/1	0s	21ms/step	_	loss:	0.0026
Epoch 299/500 1/1 ———————————————————————————————————					
Epoch 300/500					
1/1	Øs	21ms/step	-	Toss:	0.0026

Epoch 301/500 1/1	0s	21ms/step	_	loss:	0.0026
Epoch 302/500 1/1	0s	23ms/step	_	loss:	0.0025
Epoch 303/500		21ms/step			
Epoch 304/500					
Epoch 305/500		22ms/step			
1/1 ———————————————————————————————————	0s	64ms/step	-	loss:	0.0025
1/1 ————————— Epoch 307/500	0s	24ms/step	-	loss:	0.0025
1/1 ———————————————————————————————————	0s	24ms/step	-	loss:	0.0025
1/1	0s	24ms/step	-	loss:	0.0024
Epoch 309/500 1/1 ———————————————————————————————————	0s	24ms/step	_	loss:	0.0024
Epoch 310/500 1/1	0s	23ms/step	_	loss:	0.0024
Epoch 311/500 1/1	0s	21ms/step	_	loss:	0.0024
Epoch 312/500 1/1 ———————————————————————————————————		•			
Epoch 313/500					
1/1 ———————————————————————————————————					
1/1 ———————————————————————————————————					
1/1 ———————————————————————————————————	0s	24ms/step	-	loss:	0.0023
1/1	0s	23ms/step	-	loss:	0.0023
Epoch 317/500 1/1 ———————————————————————————————————	0s	22ms/step	-	loss:	0.0023
Epoch 318/500 1/1 ———————————————————————————————————	0s	23ms/step	-	loss:	0.0023
Epoch 319/500 1/1	0s	24ms/step	_	loss:	0.0023
Epoch 320/500 1/1 ———————————————————————————————————					
Epoch 321/500 1/1 ———————————————————————————————————					
Epoch 322/500					
1/1 ———————————————————————————————————					
1/1 ———————————————————————————————————	0s	23ms/step	-	loss:	0.0022
1/1 ————————— Epoch 325/500	0s	21ms/step	-	loss:	0.0022
1/1 ———————————————————————————————————	0s	22ms/step	-	loss:	0.0022
1/1	0s	22ms/step	-	loss:	0.0022
Epoch 327/500 1/1 ———————————————————————————————————	0s	21ms/step	-	loss:	0.0022
Epoch 328/500 1/1 ———————————————————————————————————	0s	21ms/step	-	loss:	0.0021
Epoch 329/500 1/1	0s	23ms/step	-	loss:	0.0021
Epoch 330/500 1/1 ———————————————————————————————————	0s	22ms/step	-	loss:	0.0021

5 1 224 (500					
Epoch 331/500 1/1	0s	22ms/step	-	loss:	0.0021
Epoch 332/500 1/1	9s	22ms/sten	_	loss	0 0021
Epoch 333/500					
1/1 ———————————————————————————————————	0s	23ms/step	-	loss:	0.0021
1/1	0s	25ms/step	-	loss:	0.0021
Epoch 335/500 1/1	95	62ms/sten	_	loss:	0.0020
Epoch 336/500		·			
1/1 ———————————————————————————————————	0s	25ms/step	-	loss:	0.0020
1/1	0s	62ms/step	-	loss:	0.0020
Epoch 338/500 1/1	0s	22ms/step	_	loss:	0.0020
Epoch 339/500					
1/1 ———————————————————————————————————	0s	22ms/step	-	loss:	0.0020
1/1	0s	21ms/step	-	loss:	0.0020
Epoch 341/500 1/1	0s	22ms/step	_	loss:	0.0020
Epoch 342/500	0-			1	0.0010
1/1 ———————————————————————————————————	ØS	22ms/step	-	1055:	0.0019
1/1 ———————————————————————————————————	0s	22ms/step	-	loss:	0.0019
Epoch 344/500 1/1	0s	23ms/step	-	loss:	0.0019
Epoch 345/500 1/1	۵c	21ms/sten		1055	0 0010
Epoch 346/500					
1/1 ———————————————————————————————————	0s	23ms/step	-	loss:	0.0019
1/1	0s	21ms/step	-	loss:	0.0019
Epoch 348/500 1/1	0 s	22ms/sten	_	loss:	0.0019
Epoch 349/500					
1/1 ———————————————————————————————————	0s	22ms/step	-	loss:	0.0019
1/1	0s	22ms/step	-	loss:	0.0018
Epoch 351/500 1/1	0s	22ms/step	_	loss:	0.0018
Epoch 352/500					
1/1 ———————————————————————————————————					
1/1 ———————————————————————————————————	0s	23ms/step	-	loss:	0.0018
1/1	0s	22ms/step	-	loss:	0.0018
Epoch 355/500 1/1	۵s	22ms/sten	_	1055.	0 0018
Epoch 356/500					
1/1 ————————— Epoch 357/500	0s	21ms/step	-	loss:	0.0018
1/1	0s	21ms/step	-	loss:	0.0018
Epoch 358/500 1/1	0s	24ms/sten	_	loss:	0.0017
Epoch 359/500					
1/1 ————————— Epoch 360/500	0s	21ms/step	-	loss:	0.0017
1/1	0s	22ms/step	-	loss:	0.0017

					_
Epoch 361/500 1/1	0s	21ms/step	_	loss:	0.0017
Epoch 362/500		22ms/step			
Epoch 363/500		22ms/step			
Epoch 364/500		•			
1/1 ———————————————————————————————————					
1/1 ———————————————————————————————————					
1/1 ———————————————————————————————————					
1/1 ————————— Epoch 368/500					
1/1 ————————— Epoch 369/500	0s	24ms/step	-	loss:	0.0016
1/1 ———————————————————————————————————	0s	22ms/step	-	loss:	0.0016
1/1 ———————————————————————————————————	0s	23ms/step	-	loss:	0.0016
1/1 ———————————————————————————————————	0s	23ms/step	-	loss:	0.0016
1/1 ———————————————————————————————————	0s	63ms/step	-	loss:	0.0016
1/1	0s	22ms/step	-	loss:	0.0016
Epoch 374/500 1/1 ———————————————————————————————————	0s	22ms/step	-	loss:	0.0016
Epoch 375/500 1/1	0s	35ms/step	-	loss:	0.0016
	0s	22ms/step	-	loss:	0.0015
Epoch 377/500 1/1 —————	0s	21ms/step	-	loss:	0.0015
Epoch 378/500 1/1 ———————————————————————————————————	0s	23ms/step	-	loss:	0.0015
Epoch 379/500 1/1	0s	22ms/step	_	loss:	0.0015
Epoch 380/500 1/1	0s	24ms/step	_	loss:	0.0015
Epoch 381/500 1/1	0s	22ms/step	_	loss:	0.0015
Epoch 382/500		23ms/step			
Epoch 383/500		23ms/step			
Epoch 384/500		22ms/step			
Epoch 385/500 1/1 —————					
Epoch 386/500 1/1 —————					
Epoch 387/500 1/1 —————					
Epoch 388/500					
1/1 ———————————————————————————————————					
1/1 ———————————————————————————————————		•			
1/1	0s	23ms/step	-	loss:	0.0014

					_
Epoch 391/500 1/1	0s	22ms/step	_	loss:	0.0014
Epoch 392/500		22ms/step			
Epoch 393/500					
Epoch 394/500		22ms/step			
1/1 Epoch 395/500					
1/1 ————————Epoch 396/500					
1/1 ———————————————————————————————————					
1/1 ———————————————————————————————————					
1/1 ———————— Epoch 399/500	0s	22ms/step	-	loss:	0.0013
1/1 ————————— Epoch 400/500	0s	23ms/step	-	loss:	0.0013
	0s	24ms/step	-	loss:	0.0013
1/1 ———————————————————————————————————	0s	22ms/step	-	loss:	0.0013
1/1 ———————————————————————————————————	0s	22ms/step	-	loss:	0.0013
1/1 ———————————————————————————————————	0s	22ms/step	-	loss:	0.0013
1/1	0s	22ms/step	-	loss:	0.0013
Epoch 405/500 1/1	0s	22ms/step	-	loss:	0.0013
	0s	23ms/step	-	loss:	0.0013
Epoch 407/500 1/1 ——————	0s	21ms/step	-	loss:	0.0013
Epoch 408/500 1/1 ———————	0s	23ms/step	-	loss:	0.0012
Epoch 409/500 1/1	0s	22ms/step	-	loss:	0.0012
Epoch 410/500 1/1	0s	21ms/step	_	loss:	0.0012
Epoch 411/500 1/1	0s	24ms/step	_	loss:	0.0012
Epoch 412/500		22ms/step			
Epoch 413/500		21ms/step			
Epoch 414/500		22ms/step			
Epoch 415/500 1/1					
Epoch 416/500 1/1 ——————					
Epoch 417/500		22ms/step			
Epoch 418/500					
Epoch 419/500		24ms/step			
Epoch 420/500		24ms/step			
1/1	0s	22ms/step	-	loss:	0.0011

					_
Epoch 421/500 1/1	۵c	24ms/step		1055	0 0011
Epoch 422/500					
1/1 ———————————————————————————————————	0s	23ms/step	-	loss:	0.0011
1/1 ———————————————————————————————————	0s	23ms/step	-	loss:	0.0011
1/1	0s	23ms/step	-	loss:	0.0011
Epoch 425/500 1/1	0s	21ms/step	_	loss:	0.0011
Epoch 426/500 1/1 ———————————————————————————————————	۵c	22ms/stan	_	1055.	0 0011
Epoch 427/500					
1/1 ————————— Epoch 428/500	0s	24ms/step	-	loss:	0.0011
1/1 ———————————————————————————————————	0s	23ms/step	-	loss:	0.0011
1/1	0s	24ms/step	-	loss:	0.0011
Epoch 430/500 1/1	0s	22ms/step	_	loss:	0.0011
Epoch 431/500		21ms/step			
Epoch 432/500					
1/1 ———————————————————————————————————					
1/1 ————————— Epoch 434/500	0s	22ms/step	-	loss:	0.0010
1/1	0s	22ms/step	-	loss:	0.0010
Epoch 435/500 1/1 ———————————————————————————————————	0s	23ms/step	-	loss:	0.0010
Epoch 436/500 1/1 ———————————————————————————————————	0s	22ms/step	_	loss:	0.0010
Epoch 437/500 1/1 ———————————————————————————————————					
Epoch 438/500					
1/1 ————————— Epoch 439/500	0s	23ms/step	-	loss:	0.0010
1/1 ————————— Epoch 440/500	0s	24ms/step	-	loss:	0.0010
1/1	0s	23ms/step	-	loss:	0.0010
Epoch 441/500 1/1	0s	22ms/step	-	loss:	9.9362e-04
Epoch 442/500 1/1 ———————	0s	22ms/step	_	loss:	9.8694e-04
Epoch 443/500		·			9.8029e-04
Epoch 444/500		·			
Epoch 445/500		·			9.7367e-04
1/1 ———————————————————————————————————	0s	22ms/step	-	loss:	9.6710e-04
1/1	0s	22ms/step	-	loss:	9.6061e-04
	0s	21ms/step	-	loss:	9.5407e-04
Epoch 448/500 1/1	0s	21ms/step	_	loss:	9.4761e-04
Epoch 449/500 1/1 ———————————————————————————————————	95	22ms/sten	_	loss:	9.4127e-04
Epoch 450/500					
1/1	Øs	22ms/step	-	Toss:	9.3490e-04

Frank 451/500					
Epoch 451/500 1/1	0s	22ms/step	_	loss:	9.2854e-04
Epoch 452/500				_	
1/1 ———————————————————————————————————	0s	22ms/step	-	loss:	9.2236e-04
1/1	0s	22ms/step	-	loss:	9.1609e-04
Epoch 454/500 1/1	0s	25ms/step	_	loss:	9.0994e-04
Epoch 455/500					9.0374e-04
Epoch 456/500					
1/1 ———————————————————————————————————	0s	23ms/step	-	loss:	8.9767e-04
1/1 ———————————————————————————————————	0s	22ms/step	-	loss:	8.9159e-04
1/1	0s	21ms/step	-	loss:	8.8559e-04
Epoch 459/500 1/1	9s	22ms/sten	_	loss	8 7965e-04
Epoch 460/500					
1/1 ———————————————————————————————————	0s	24ms/step	-	loss:	8.7362e-04
1/1	0s	22ms/step	-	loss:	8.6778e-04
Epoch 462/500 1/1 ———————————————————————————————————	0s	21ms/step	-	loss:	8.6188e-04
Epoch 463/500 1/1	0s	22ms/step	_	loss:	8.5610e-04
Epoch 464/500		·			
Epoch 465/500		·			8.5035e-04
1/1 ———————————————————————————————————	0s	20ms/step	-	loss:	8.4455e-04
1/1	0s	22ms/step	-	loss:	8.3888e-04
Epoch 467/500 1/1	0s	21ms/step	_	loss:	8.3319e-04
Epoch 468/500					
Epoch 469/500	05	zzms/step	-	1055:	8.2/58e-04
1/1 ———————————————————————————————————	0s	23ms/step	-	loss:	8.2205e-04
	0s	21ms/step	-	loss:	8.1644e-04
1/1	0s	21ms/step	-	loss:	8.1094e-04
Epoch 472/500 1/1	0s	24ms/step	_	loss:	8.0548e-04
Epoch 473/500					
Epoch 474/500					8.0005e-04
1/1 ———————————————————————————————————	0s	21ms/step	-	loss:	7.9460e-04
1/1	0s	22ms/step	-	loss:	7.8924e-04
Epoch 476/500 1/1 ———————————————————————————————————	0s	21ms/step	-	loss:	7.8390e-04
Epoch 477/500 1/1 ———————————————————————————————————	0s	22ms/step	_	loss:	7.7861e-04
Epoch 478/500		·			
Epoch 479/500		·			7.7335e-04
1/1 ———————————————————————————————————	0s	22ms/step	-	loss:	7.6816e-04
1/1	0s	21ms/step	-	loss:	7.6297e-04

```
Epoch 481/500
        1/1 •
                                 - 0s 22ms/step - loss: 7.5782e-04
        Epoch 482/500
        1/1 -
                                 - 0s 21ms/step - loss: 7.5266e-04
        Epoch 483/500
        1/1
                                 0s 23ms/step - loss: 7.4761e-04
        Epoch 484/500
        1/1
                                 0s 22ms/step - loss: 7.4259e-04
        Epoch 485/500
        1/1 -
                                 - 0s 21ms/step - loss: 7.3756e-04
        Epoch 486/500
                                - 0s 23ms/step - loss: 7.3257e-04
        1/1 -
        Epoch 487/500
        1/1 -
                                 - 0s 23ms/step - loss: 7.2762e-04
        Epoch 488/500
        1/1 -
                                 • 0s 22ms/step - loss: 7.2273e-04
        Epoch 489/500
        1/1 -
                                 • 0s 21ms/step - loss: 7.1783e-04
        Epoch 490/500
        1/1
                                 • 0s 24ms/step - loss: 7.1299e-04
        Epoch 491/500
        1/1
                                 0s 22ms/step - loss: 7.0815e-04
        Epoch 492/500
        1/1
                                 • 0s 22ms/step - loss: 7.0344e-04
        Epoch 493/500
                                 • 0s 96ms/step - loss: 6.9868e-04
        1/1 -
        Epoch 494/500
        1/1
                                 • 0s 23ms/step - loss: 6.9399e-04
        Epoch 495/500
        1/1 -
                                 - 0s 73ms/step - loss: 6.8923e-04
        Epoch 496/500
        1/1
                                 • 0s 24ms/step - loss: 6.8460e-04
        Epoch 497/500
        1/1
                                 • 0s 24ms/step - loss: 6.7996e-04
        Epoch 498/500
        1/1 -
                                 - 0s 24ms/step - loss: 6.7537e-04
        Epoch 499/500
                                 0s 23ms/step - loss: 6.7081e-04
        1/1 -
        Epoch 500/500
        1/1 -
                                - 0s 23ms/step - loss: 6.6628e-04
Out[36]: <keras.src.callbacks.history.History at 0x163e12ae1a0>
In [38]: model.predict(np.array([9.0]))# 예측
        1/1 -
                                - 0s 20ms/step
Out[38]: array([[89.90998]], dtype=float32)
         1.1.1
In [39]:
         50번 학습 -> 90 입력 시 87
         1/1 -

    0s 62ms/step

         array([[86.84717]], dtype=float32)
          1.1.1
          1.1.1
         500번 학습 -> 90 입력 시 89 -> loss: 0.0276
                                 - 0s 22ms/step
         array([[89.420204]], dtype=float32)
```