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(2) In the given scenario we see that the number of features is more than number of samples given.

In order to get an invertible matrix solution we know that the number of samples must be more than number of features.

Hence normal (OLS) closed form solution  $W = (X^T X)^{-1} X^T Y$  will fail

Now on applying Ridge Regression

$$W = (X^T X + \lambda I)^{-1} X^T Y$$

Here this would help in maintaining the invertibility and thus help us in the given scenario.