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**EXPLANATION FOR VARIABLES**

**I. config.json**

**1. alpha:** refer to the learning rate for the gradient descent algorithm. It controls how much the model's parameters (weights) are adjusted with respect to the gradient of the loss function. A smaller learning rate can lead to more precise but slower convergence, while a larger learning rate can speed up the process but might overshoot the optimal solution or cause divergence.

**2. iters:** refer to the number of iterations for the gradient descent algorithm. It determine how many times the algorithm will update the model's parameters. More iterations can lead to a better-fitting model but also require more computational time.

**II. model.json**

**1. theta:** An array of the model's parameters (or weights). These parameters are used to make predictions. During training, they are adjusted to minimize the cost function.

**III. price.json**

**1. size (square feet):** representing the size of the house in square feet in the sample

**2. number of bedrooms:** representing the number of bedrooms in the house in the sample

**3. price ($):** representing the price of the house in dollars after using the model to predict the price of the house in the sample