HYPER TUNNING PARAMETER

XG BOOSTING ALOGRTHIM:

1. XGBRegressor(Xgboost)

Model Name : XGBRegressor

R^2 Score : <mark>0.821333706</mark>

2.Gradient Boosting Algorithm:

S.NO	N_ESTIMATOR	LOSS	CRITERION	RANDOM_STATE	R^2 SCORE
1		squared_error (default)	friedman_mse (default)	None (default)	0.89149140
2		absolute_error	friedman_mse (default)	None (default)	0.80724745
3		Huber	friedman_mse (default)	None (default)	0.89217608
4		Quantile	friedman_mse (default)	None (default)	0.59495423
5		squared_error (default)	squared_error	None (default)	0.89149140
6		absolute_error	squared_error	None (default)	0.80724745
7		Huber	squared_error	None (default)	0.89217608
8		Quantile	squared_error	None (default)	0.59509135
9	50	squared_error (default)	friedman_mse (default)	0	0.89149140
10		absolute_error	friedman_mse (default)	0	0.80980056
11		Huber	friedman_mse (default)	0	0.89217608
12		Quantile	friedman_mse (default)	0	0.59977943
13		squared_error (default)	squared_error	0	0.89149140
14		absolute_error	squared_error	0	0.80980056
15		<mark>Huber</mark>	<mark>squared_error</mark>	<mark>0</mark>	<mark>0.89217608</mark>
16		Quantile	squared_error	0	0.59488181
17		squared_error (default)	friedman_mse (default)	None (default)	0.88391060
18		absolute_error	friedman_mse	None (default)	0.85867972

			(default)		
19		Huber	friedman_mse (default)	None (default)	0.89134600
20		Quantile	friedman_mse (default)	None (default)	0.62848205
21	100	squared_error (default)	squared_error	None (default)	0.88336857
22		absolute_error	squared_error	None (default)	0.84449312
23		Huber	squared_error	None (default)	0.89146407
24		Quantile	squared_error	None (default)	0.63162051
25		squared_error (default)	friedman_mse (default)	0	0.88339741
26		absolute_error	friedman_mse (default)	0	0.85880191
27		Huber	friedman_mse (default)	0	0.89143907
28		Quantile	friedman_mse (default)	0	0.62893302
29		squared_error (default)	squared_error	0	0.88339741
30		absolute_error	squared_error	0	0.85880191
31		Huber	squared_error	0	0.89143907
32		Quantile	squared_error	0	0.62668193

Model Name : GradientBoostingRegressor

N_Estiamtor : 50

Loss : Huber

Criterion : Squared_error

Random_State : 0

R^2 Score : 0.89217608