Decision Tree

S.No	Criterion	Splitter	Max_Depth	R_Value
1	squard_error	best	None	0.86
2	squard_error	Best	5	0.92
3	squard_error	Random	5	0.90
4	Squard_error	Random	10	-1.3
5	Squard_error	Best	15	0.89
6	Squard_error	Random	None	0.92
7	Friedman_mse	Best	None	0.85
8	Friedman_mse	Best	5	0.87
9	Friedman_mse	Random	10	0.93
10	Friedman_mse	Best	20	0.87
11	Absolute_error	Best	5	0.92
12	Absolute_error	Random	10	0.44
13	Absolute_error	Best	3	0.88
14	Poisson	Best	5	0.89
15	Poisson	Random	10	0.44

The Decision Tree Regression used best R^2 value **(Friedman_mse, 10, Random)** = 0.93