1.Support Vector Machine :

S.NO	HYPER PARAMETER	LINEAR (r value)	RBF (NON LINEAR)	POLY (r value)	SIGMOID (r value)
1	C=1.0	-97470.16233	-0.05748	-7.85328	-0.05700
2	C=10	-97741.81621	-0.05747	-7.85328	-0.05274
3	C=100	-0.05274	-0.05740	-7.85328	-0.01860
4	C=500	-13268.284277	-0.05584	-1.94866	-0.01526
5	C=1000	-20289.604733	-0.05958	-7.37262	-0.32215
6	c=2000	-27958.670708	-0.05515	-2.44620	-1.72960
7	c=3000	-23815.031506	-0.05060	-4.16488	-3.48950

2.Decision Tree :

S.NO	CRITERION	SPLITTER	R VALUE
1	squared_error	Best	0.9269620438924208
2	friedman_mse	Best	0.928551465610333
3	absolute_error	Best	0.9214588993480093
4	poisson	Best	0.922016580274462
5	squared_error	random	0.872778933396008
6	friedman_mse	random	0.9354802342772801
7	absolute_error	random	0.9112832787068763
8	poisson	random	0.8731242465474395

The Decision Tree Regression use **R value (friedman_mse, random)** = 0.9354802342772801