Find The Following Machine Learning Regression Method using r2 value

1.Multiple Linear Regression (R2value):

r2=0.93

2.Support Vector Machine:

S.no	Hyper parameter	Linear (r2 value)	RbF(non-linear) (r2 value)	Sigmoid (r2 value)	Poly (r2 value)
1	C=1.0	0.8753	-0.12541	-0.125814	-0.11540
2	C=100	-74.975	-0.107626	-0.12884	0.4143
3	C=10.50	0.17361	-0.12191	-0.12610	-0.05497
4	C=50	-17.23592	-0.11454	-0.12731	0.15547
5	C=500.50	0.78222 C=1.30	-0.0077	-0.141270	0.64344
6	C=1000	--5.29680 C=30	0.04095	-0.15710	0.667156

The SVMRegression use linear and hyper parameter c=1.0

(r2 value)=0.8753.

3.Decision Tree :

S.no	Criterion	Max Features	Splitter	R2 Value
1	squared_error	auto	best	0.89539
2	squared_error	sqrt	best	0.38075
3	squared_error	log2	best	-0.07895
4	squared_error	auto	random	-0.07895
5	squared_error	sqrt	random	0.60562
6	squared_error	log2	random	0.40984
7	*friedman_mse*	**auto**	**best**	0.888891
8	*friedman_mse*	**sqrt**	**best**	0.94144
9	*friedman_mse*	**log2**	**best**	0.86739
10	*friedman_mse*	**auto**	**random**	0.78918
11	*friedman_mse*	**sqrt**	**random**	0.290249
12	*friedman_mse*	**log2**	**random**	0.7953
13	*absolute_error*	**Auto**	**best**	0.93717
14	*absolute_error*	**sqrt**	**best**	0.81108
15	*absolute_error*	**log2**	**best**	-0.37118
16	*absolute_error*	**Auto**	**Random**	0.94140
17	*absolute_error*	**Sqrt**	**Random**	0.62488
18	*absolute_error*	**Log2**	**Random**	-0.13941
19	*poisson*	**Auto**	**best**	0.6871
20	***poisson***	**Sqrt**	**Best**	0.60934
21	***poisson***	**Log2**	**Best**	0.21271
22	***Poisson***	**Auto**	**Random**	0.7196

23	***Poisson***	**Sqrt**	**Random**	-0.6582
24	***poisson***	**Auto**	**Random**	-0.2389

.In this decision tree regression use friedman_mse hyper parameter under max feature is sqrt and splitter is best model (r2value)= 0.94144